

Service  
Service  
Service



300WN5QS/97

# Service Manual

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Horizontal frequencies  
31 - 49 kHz

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### SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.

REFER TO BACK COVER FOR IMPORTANT SAFETY GUIDELINES

# Important Safety Notice



◀◀ Go to cover page

Proper service and repair is important to the safe, reliable operation of all Philips Company\*\* Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

\* \* Hereafter throughout this manual, Philips Company will be referred to as Philips.

## WARNING

Critical components having special safety characteristics are identified with a  by the Ref. No. in the parts list and enclosed within a broken line\* (where several critical components are grouped in one area) along with the safety symbol  on the schematics or exploded views.

Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

\* Broken Line



### FOR PRODUCTS CONTAINING LASER :

- DANGER-** Invisible laser radiation when open.  
AVOID DIRECT EXPOSURE TO BEAM.
- CAUTION-** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- CAUTION-** The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

### Take care during handling the LCD module with backlight unit

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

## Technical Specifications\*

### LCD PANEL

Type : TFT LCD  
Screen size : 29.5 inch  
Pixel Pitch : 0.5025 x 0.1675 mm x RGB  
LCD Panel type : 1280 x 768 pixels  
R.G.B. vertical stripe  
Hard coating surface, anti-glare polarizer  
Effective viewing area : (H) 643.2 x (V) 385.92mm  
Display Colors : 8 bits interface (16.7M colors)

### PC SCANNING

Vertical refresh rate : 58Hz-60Hz  
Horizontal frequency : 31kHz-49kHz

### PC VIDEO

Video dot rate : < 80 MHz  
Input impedance  
- Video : 75 ohm  
- Sync : 2.2K ohm  
Input signal levels : 0.7 Vpp  
Sync input signal : Separate sync  
Sync polarities : Positive and negative  
Input Frequency : WXGA Hsync 48 kHz, Vsync 60 Hz (N.I.)  
SVGA Hsync 38 kHz, Vsync 60 Hz (N.I.)  
VGA Hsync 31 kHz, Vsync 60 Hz (N.I.)  
Video interface : D-sub, S-Video, TV-RF, SCART (Europe) or composite and components video (others)

### AUDIO

Input level for PC/SVHS/SCART : 500 mV nominal  
Loudspeaker : 5W Stereo Audio (2.5W/channel RMS x2,  
200Hz~10kHz, 4 ohm, 10% THD)

### OPTICAL CHARACTERISTICS

Contrast ratio : 500:1 (typ.)  
Brightness : 500 cd/m2 (typ.)  
Peak contrast angle : 6 o'clock  
White Chromaticity : x: 0.283 y: 0.297 (at 9300K)  
x: 0.313 y: 0.329 (at 6500K)  
x: 0.328 y: 0.344 (at 5700K)  
Viewing Angle (C/R >5) : Upper >88 degree (typ.)  
Lower >88 degree (typ.)  
Left >88 degree (typ.)  
Right >88 degree (typ.)  
Response time <=16ms (typ.)

### sRGB

sRGB is a standard for ensuring correct exchange of colors between different devices (e.g. Digital cameras, monitors, printers, scanners, etc.) Using a standard unified color space, sRGB will help represent pictures taken by an sRGB compatible device correctly on your sRGB enabled Philips monitors. In that way, the colors are calibrated and you can rely on the correctness of the colors shown on your screen. Important with the use of sRGB is that the brightness and contrast of your monitor is fixed to a predefined setting as well as the color gamut. Therefore it is important to select the sRGB setting in the monitor's OSD. To do so, at PC mode, open the OSD by pressing the MENU button of your monitor. Use the down button to go to COLOR SETTINGS and press MENU again. Then move the down button to go to NORMAL COLOR and press MENU again. For more information on sRGB, please visit: [www.srgb.com](http://www.srgb.com)

\* This data is subject to change without notice.

### Resolution & Preset Modes

Recommended : 1280 x 768 at 60Hz

10 factory preset modes:

| Resolution | Mode | H. freq (kHz) | V. freq (Hz) |
|------------|------|---------------|--------------|
|------------|------|---------------|--------------|

#### PC

|          |              |        |        |
|----------|--------------|--------|--------|
| 640*480  | VGA VESA 60  | 31.469 | 59.940 |
| 800*600  | SVGA VESA 60 | 37.879 | 60.317 |
| 1024*768 | XGA VESA 60  | 48.363 | 60.004 |
| 1280*768 | GTF 60       | 47.700 | 60.000 |

#### Video

|      |       |        |        |
|------|-------|--------|--------|
| EDTV | 480P  | 31.470 | 60.000 |
| SDTV | 480i  | 15.734 | 59.940 |
| EDTV | 576P  | 31.250 | 50.000 |
| SDTV | 576i  | 15.625 | 50.000 |
| HDTV | 1080i | 33.750 | 60.000 |
| HDTV | 720P  | 45.000 | 60.000 |

### Automatic Power Saving

If you have VESA DPMS compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. If an input from a keyboard, mouse or other input device is detected, the monitor will then 'wake up' automatically. The following table shows the power consumption and signaling of this automatic power saving feature:

| Power Management Definition |         |        |        |             |           |
|-----------------------------|---------|--------|--------|-------------|-----------|
| VESA Mode                   | Video   | H-sync | V-sync | Power Used  | LED color |
| ON                          | Active  | Pulse  | Pulse  | 130W (typ.) | Blue      |
| OFF                         | Blanked | No     | No     | < 5W        | Amber     |
| AC OFF                      | Blanked | No     | No     | < 2W        | Off       |

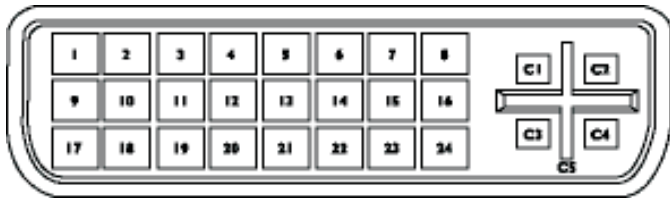
### Physical Specifications

Dimension (WxHxD) : 867.7mm x 505mm x 183mm (incl. Pedestal, Speakers)  
726.7mm x 469.3mm x 115mm (w/o Pedestal, Speakers)  
Weight: 16.0 kg (incl. Pedestal, Speakers)  
14.0 kg (w/o Pedestal, Speakers)  
15.0 kg (w/o Pedestal, Speakers; with protective cover)  
Power supply : 90 +/- 264 VAC, 50/60 Hz  
Power consumption  
-PC Mode: 130 W (typ.)  
-TV Mode: 150 W (typ.)  
Temperature (operating) : 0 C to 35 C  
Relative humidity : 20% to 80%

## Pin Assignment

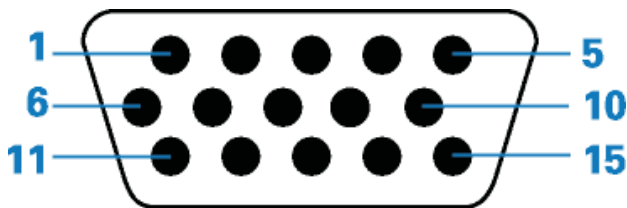
1. The digital only connector contains 24 signal contacts organized in three rows of eight contacts. Signal pin assignments are listed in the following table:

| Pin No. | Signal Assignment       | Pin No. | Signal Assignment       | Pin No. | Signal Assignment       |
|---------|-------------------------|---------|-------------------------|---------|-------------------------|
| 1       | T.M.D.S. Data2-         | 9       | T.M.D.S. Data1 -        | 17      | T.M.D.S. Data0-         |
| 2       | T.M.D.S. Data2+         | 10      | T.M.D.S. Data1+         | 18      | T.M.D.S. Data0+         |
| 3       | T.M.D.S. Data2/4 Shield | 11      | T.M.D.S. Data1/3 Shield | 19      | T.M.D.S. Data0/5 Shield |
| 4       | No connect              | 12      | No connect              | 20      | No connect              |
| 5       | No connect              | 13      | No connect              | 21      | No connect              |
| 6       | DDC Clock               | 14      | +5V Power               | 22      | T.M.D.S. Clock Shield   |
| 7       | DDC Data                | 15      | Hot Plug Detect         | 23      | T.M.D.S. Clock+         |
| 8       | No connect              | 16      | Ground (for +5V)        | 24      | T.M.D.S. Clock-         |



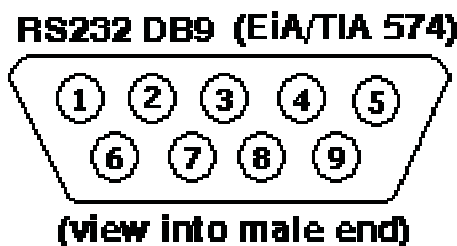
2. The 15-pin D-sub connector (male) of the signal cable:

| Pin No. | Assignment         | Pin No. | Assignment                            |
|---------|--------------------|---------|---------------------------------------|
| 1       | Red video input    | 9       | DDC +5V                               |
| 2       | Green video input  | 10      | Cable detect                          |
| 3       | Blue video input   | 11      | Identical output, connected to pin 10 |
| 4       | Ground             | 12      | Serial data line (SDA)                |
| 5       | NC                 | 13      | H. Sync / H+V                         |
| 6       | Red video ground   | 14      | V. Sync                               |
| 7       | Green video ground | 15      | Data clock line (SCL)                 |
| 8       | Blue video ground  |         |                                       |



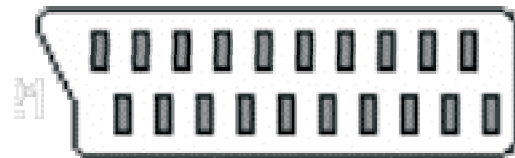
### 3. RS232 Connector

D-sub 9-pin male connector for communication with plasma engine or PC.



| Pin No. | RS-232 (EIA-232-A) Function         |
|---------|-------------------------------------|
| 3       | Transmit Data (TD) from DTE to DCE  |
| 2       | Receive Data (RD) from DCE to DTE   |
| 7       | Request to Send (RTS)               |
| 8       | Clear to Send (CTS)                 |
| 6       | DCE Ready (DSR)                     |
| 5       | Signal Ground (SG)                  |
| 1       | Received Line Signal Detector (DCD) |
| 4       | DTE Ready (DTR)                     |
| 9       | Ring Indicator                      |

#### 4. SCART Connector



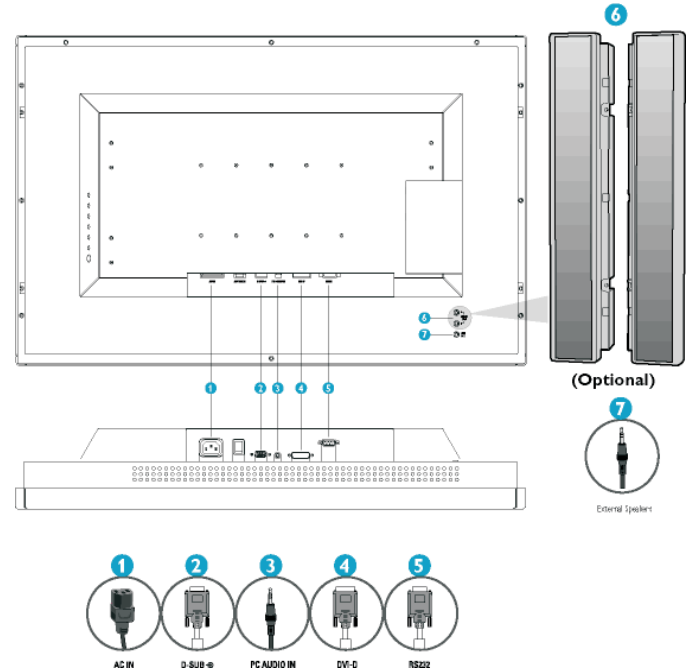
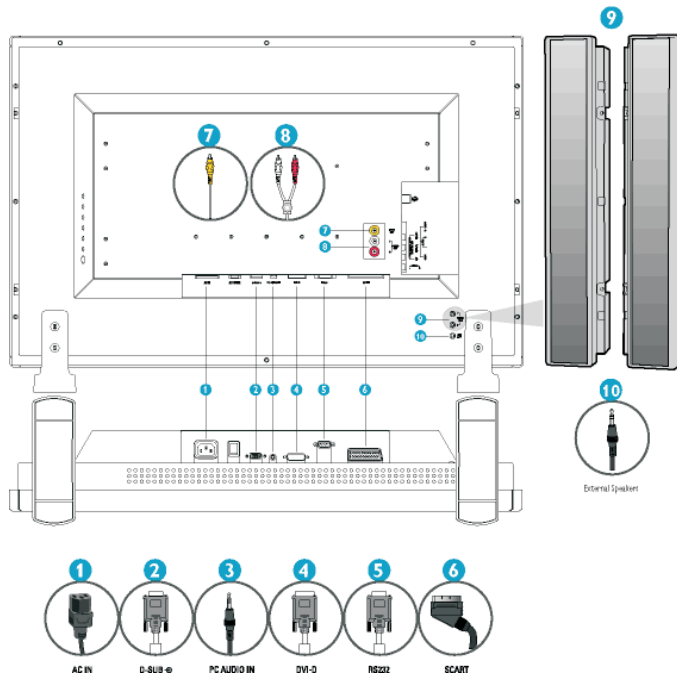
| Pin No. | Signal  | Pin No. |
|---------|---|---------|
| 1       | Audio right channel output (0.5 Vrms, < 1K ohms)                | 2       |
| 2       | Audio right channel input (0.5 Vrms, > 10K ohms)                | 1       |
| 3       | Audio left channel output (0.5 Vrms, < 1K ohms)                 | 6       |
| 4       | Audio ground  | 4       |
| 5       | Blue signal ground  | 5       |
| 6       | Audio left channel input (0.5 Vrms, > 10K ohms)                 | 3       |
| 7       | Blue signal I/O (0.7 Vp-p, 75 ohms)                             | 7       |
| 8       | Function switching I/O (L: < 2V, H: > 10V, 10K ohms)            | 8       |
| 9       | Green signal ground   | 9       |
| 10      | Intercommunication data line No. 1                              | 10      |
| 11      | Green signal I/O (0.7 Vp-p, 75 ohms)                            | 11      |
| 12      | Intercommunication data line No. 2                              | 12      |
| 13      | Red signal ground   | 13      |
| 14      | Blanking signal ground  | 14      |
| 15      | Red signal I/O (0.7 Vp-p, 75 ohms)                              | 15      |
| 16      | Blanking signal I/O (L: < 0.4V, H: >1.0V, 75 ohms)              | 16      |
| 17      | Composite video signal ground                                   | 18      |
| 18      | Blanking signal ground  | 17      |
| 19      | Composite video signal output (1 Vp-p, 75 ohms, sync: negative) | 20      |
| 20      | Composite video signal input (1 Vp-p, 75 ohms, sync: negative)  | 19      |
| 21      | Plug shield (common ground)                                     | 21      |



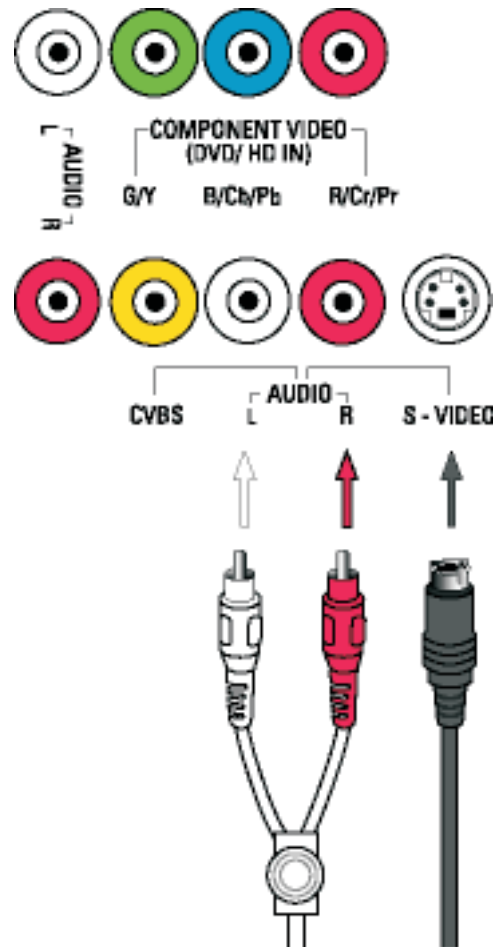
Connecting the monitor/TV

Connect the cables to the rear of your monitor/TV according to the numbers:

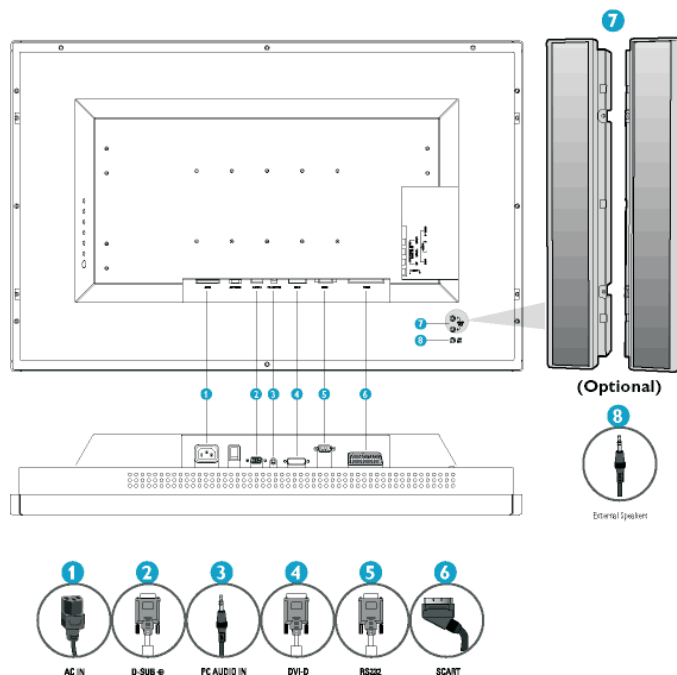
TV model



Connect to DVD/VCR/VCD through S-VIDEO



Audio/Video model

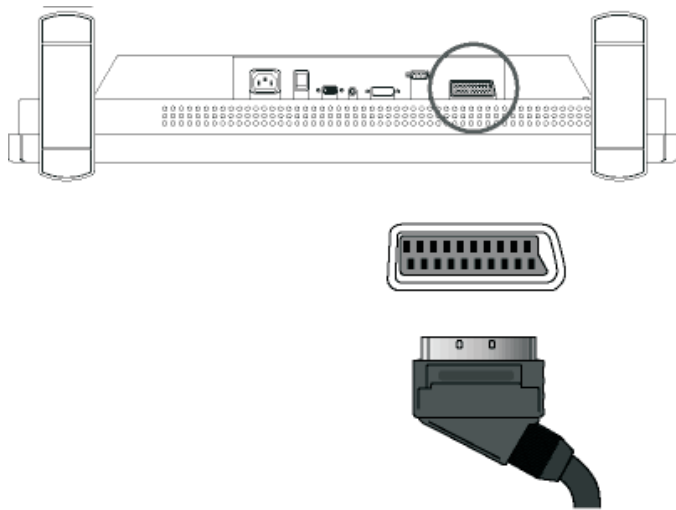


Monitor model

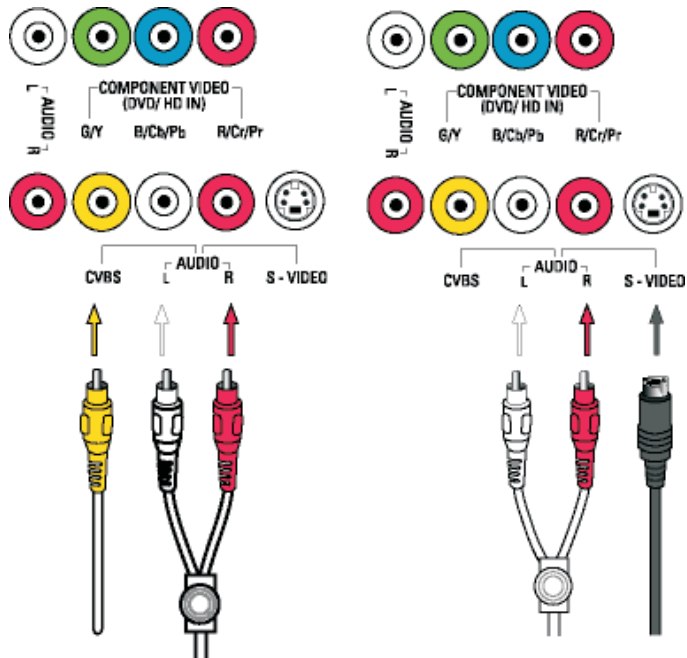
# Connecting The Monitor

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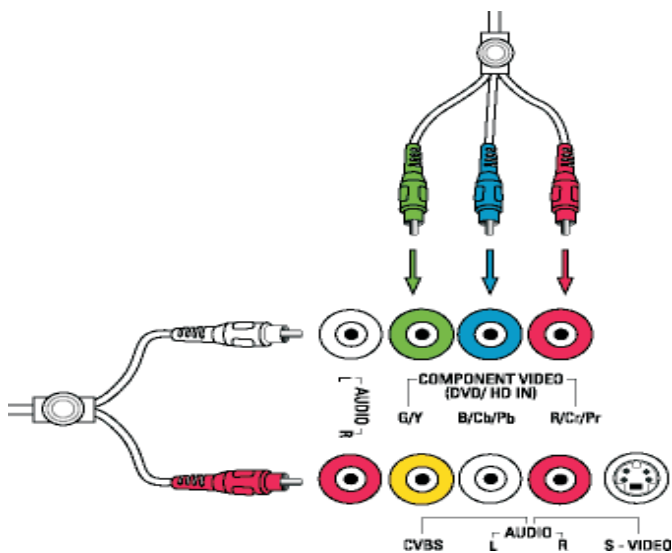
Connect to DVD/VCR /VCD through SCART (for Europe only)



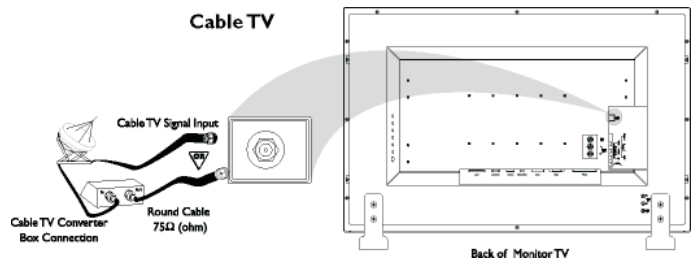
Connect to DVD/VCR /VCD through composite video (CVBS)



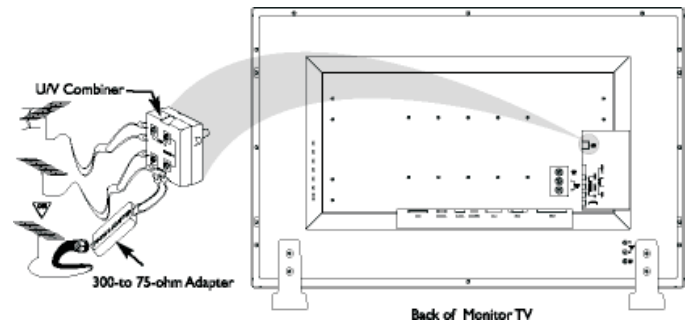
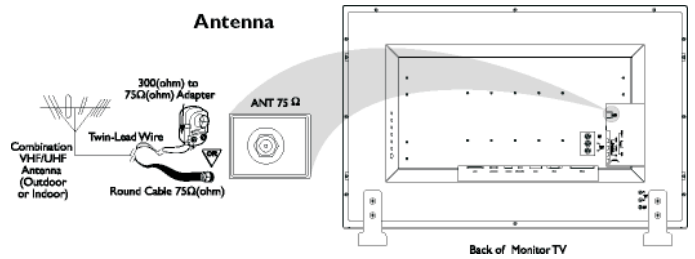
Connect to DVD/VCR /VCD through component video (YPbPr)



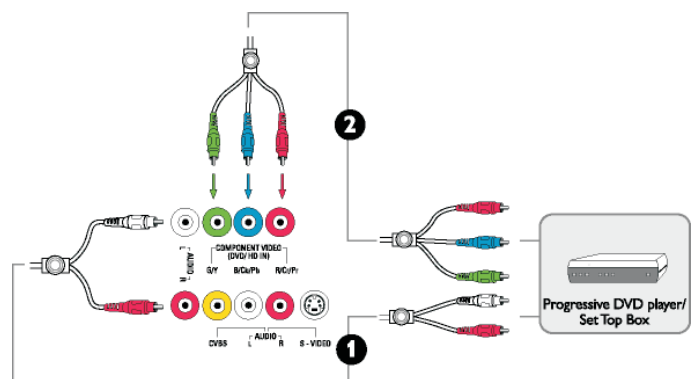
Connecting to Cable TV

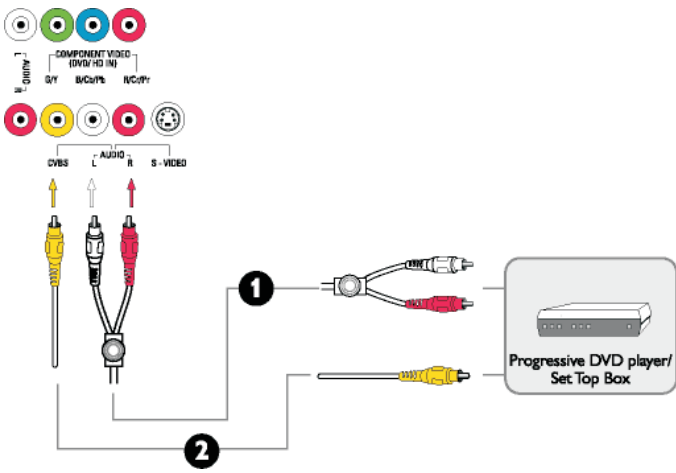
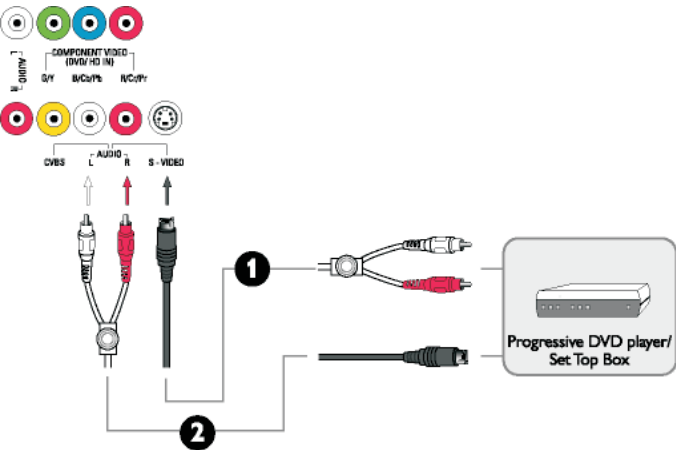


Antenna

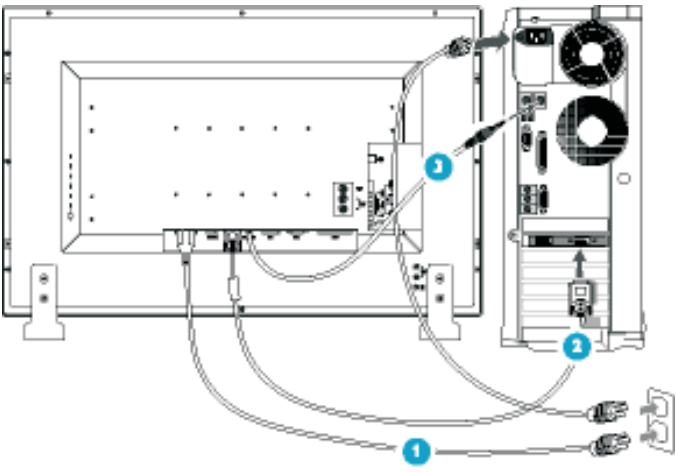


Progressive video and HDTV connections for digital high-definition picture





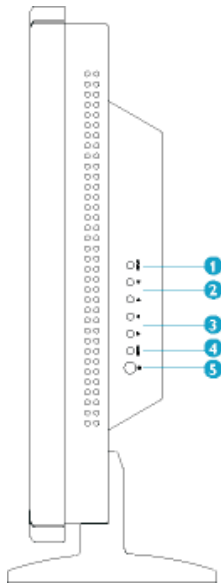
Connect to PC



# Control and Inputs

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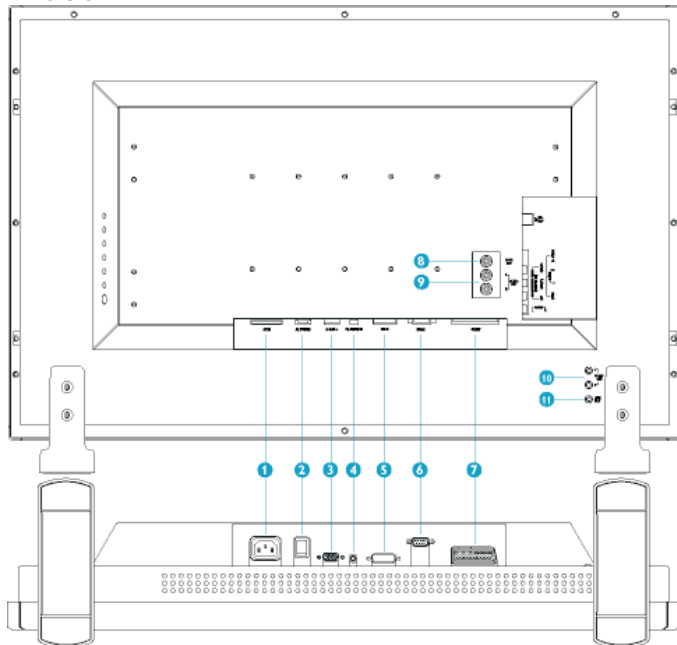
Side View (Left)



- 1 **INPUT** Selecting input source
- 2 **▲▼** Increase or decrease the channel number or moving up or down to highlight the function in OSD
- 3 **◀▶** Increase or decrease the level of audio volume or moving left or right to highlight the sub-menu in the selected function of OSD
- 4 **MENU** Open the OSD or confirm the selected function
- 5 **⏻** DC power switch On/Off

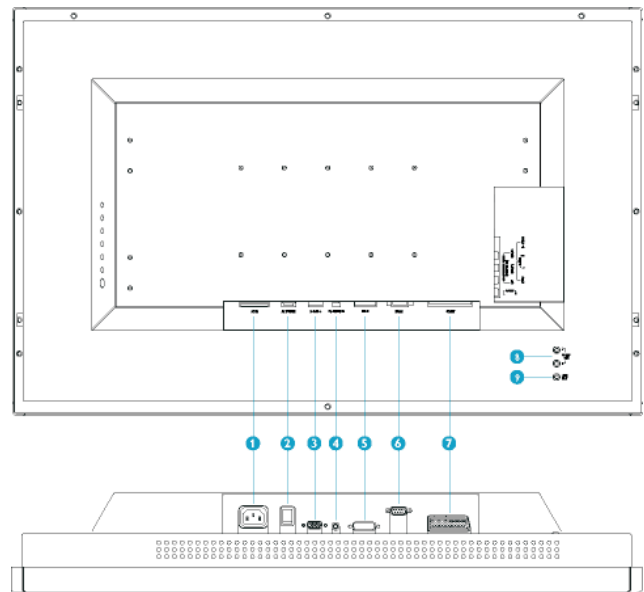
Rear View

TV version



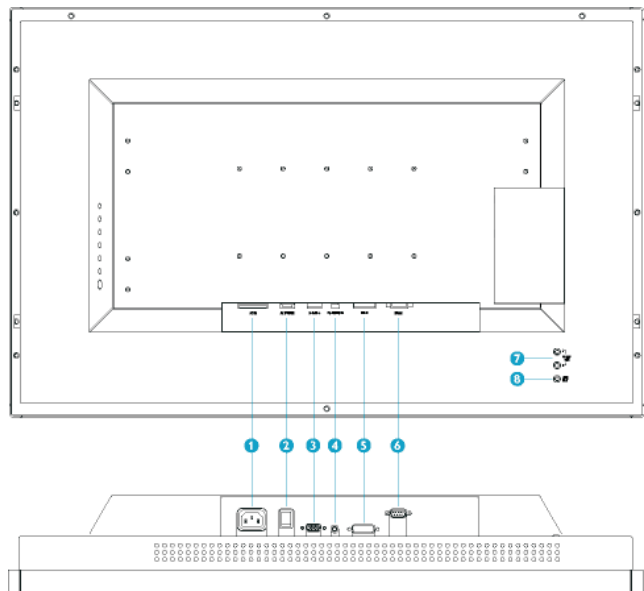
1. AC IN : AC power in
2. AC Power : AC power switch
3. D-Sub: PC analog D-Sub input
4. PC - Audio : PC Stereo input
5. DVI-D : PC digital DVI-D input
6. Rs232 : RS232 network connection
7. External/EURO-AV : SCART connection (for Europe only)
8. Composite Video Output : Composite video CVBS output
9. Audio (L) Output : Audio (L) output  
Audio (R) Output : Audio (R) output
10. Audio (L) Output : Audio (L) output for the detachable speaker (L)  
Audio (R) Output : Audio (R) output for the detachable speaker (R)
11. Line out : Audio output for external speakers

Audio/Video version



1. AC IN : AC power in
2. AC Power : AC power switch
3. D-Sub: PC analog D-Sub input
4. PC - Audio : PC Stereo input
5. DVI-D : PC digital DVI-D input
6. Rs232 : RS232 network connection
7. External/EURO-AV : SCART connection (for Europe only)
8. Audio (L) Output : Audio (L) output for the detachable speaker (L)  
Audio (R) Output : Audio (R) output for the detachable speaker (R)
9. Line out : Audio output for external speakers

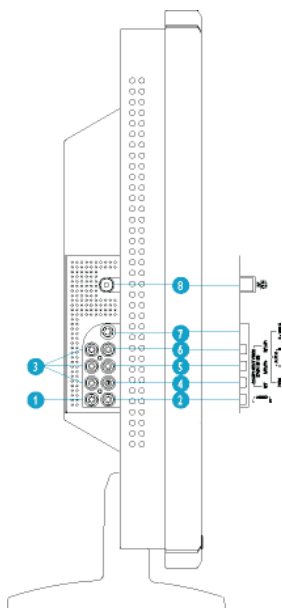
Monitor version



1. AC IN : AC power in
2. AC Power : AC power switch
3. D-Sub: PC analog D-Sub input
4. PC - Audio : PC Stereo input
5. DVI-D : PC digital DVI-D input
6. Rs232 : RS232 network connection
7. Audio (L) Output : Audio (L) output for the detachable speaker (L)  
Audio (R) Output : Audio (R) output for the detachable speaker (R)
8. Line out : Audio output for external speakers

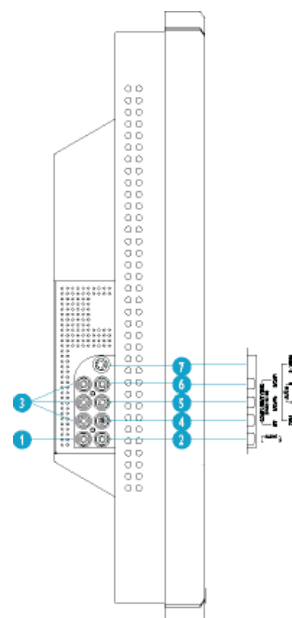
## Side View (Right)

### TV version



1. Audio (L) : Audio (L) for component video
2. Audio (R) : Audio (R) for component video
3. Component Video : Component video Y/Pb/Pr input
4. Composite Video : Composite video CVBS input
5. Audio (L) : Audio (L) for CVBS and S-Video
6. Audio (R) : Audio (R) for CVBS and S-Video
7. S-Video : S-Video input
8. RF 75Ohm : TV Antenna or CATV cable in

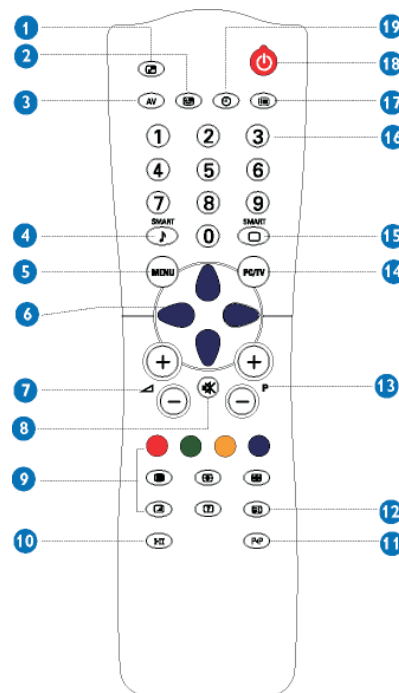
### Audio/Video version



1. Audio (L) : Audio (L) for component video
2. Audio (R) : Audio (R) for component video
3. Component Video : Component video Y/Pb/Pr input
4. Composite Video : Composite video CVBS input
5. Audio (L) : Audio (L) for CVBS and S-Video
6. Audio (R) : Audio (R) for CVBS and S-Video
7. S-Video : S-Video input

## Remote Control

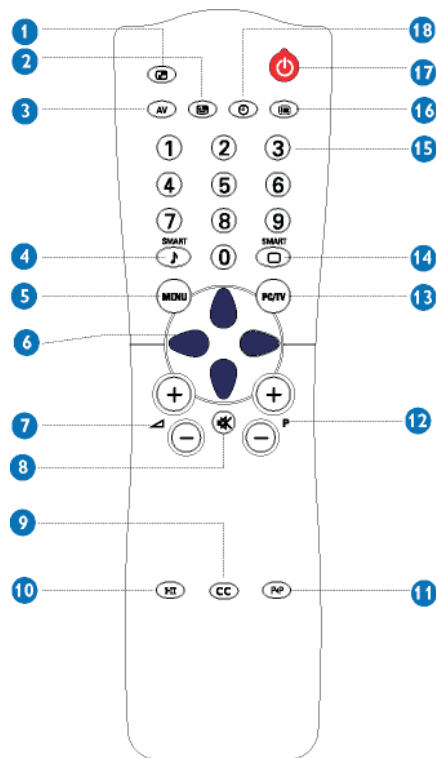
### For Europe and most of Asia Pacific countries



|   |                      |  |
|---|----------------------|--|
| 1 | PIP On/Off, Size     | To activate or close the 'Picture in Picture' function in PC mode and to enlarge or reduce the PIP window size using the same button.  |
| 2 | PIP Shift            | To change 'Picture in Picture' window position in PC mode  |
| 3 | AV source            | <ul style="list-style-type: none"> <li>To select TV/Video sources in PIP mode and TV mode</li> <li>If using TV 'STANDBY', press this button to return to 'ON'</li> </ul>   |
| 4 | Smart sound controls | To access a series of settings: VOICE, MUSIC, THEATRE and PERSONAL   |
| 5 | Menu                 | To turn on or off the OSD (On-Screen Display).<br>To select function in OSD.   |
| 6 | Cursor               | To move the cursor up/down/right/left to scroll through a list of options <ul style="list-style-type: none"> <li>Cursor right  To access the sub-menus and adjust the settings with cursor left </li> <li>Cursor down  To select the next item on the menu, and return to the last item with cursor up </li> </ul> |
| 7 | Volume               | To adjust the sound level  |
| 8 | Mute                 | To disable sound. To restore sound, press button again.  |

|    |                         |  |
|----|-------------------------|--|
| 9  | Teletext features       | Works only in areas where the Teletext service is available  |
| 10 | Sound mode              | <ul style="list-style-type: none"> <li>To switch from STEREO to MONO or to choose between Dual I and Dual II for bilingual transmissions. For TV sets fitted with NICAM reception, depending on the transmission, you can switch from NICAM STEREO to MONO or choose between NICAM DUAL I, NICAM DUAL II and MONO.</li> <li>If using Teletext, press this button to display dual pages on screen.</li> </ul> |
| 11 | Previous programme      | To access the last programme viewed.   |
| 12 | Screen information      | To display the programme number, the video mode and the sound mode.  |
| 13 | Selecting TV programmes | To move up or down a programme. The number and the sound mode are displayed for a few seconds.   |
| 14 | PC/TV mode selection    | To select PC or TV mode.   |
| 15 | Smart picture controls  | To select your desired picture setting from 5 settings: MOVIES, SPORTS, WEAK SIGNAL, MULTIMEDIA and PERSONAL.  |
| 16 | Numerical keys          | <ul style="list-style-type: none"> <li>For direct access to programmes. For a 2-digit programme number, the 2nd digit must be entered before the dash disappears.</li> <li>If using TV 'STANDBY', press any of number keys to return to 'ON'</li> </ul>  |
| 17 | OSD                     | To show OSD status.  |
| 18 | Standby                 | To set the TV temporarily to standby mode. To switch on the TV set, press Programme button (p -, +), any digit between 0 and 9 or AV source button (The amber light indicates when set is in standby mode)   |
| 19 | Sleep timer             | To select the period of time after which the set will switch automatically to standby mode (up to 180 minutes)   |

For Americas, Korea, Taiwan and Philippines

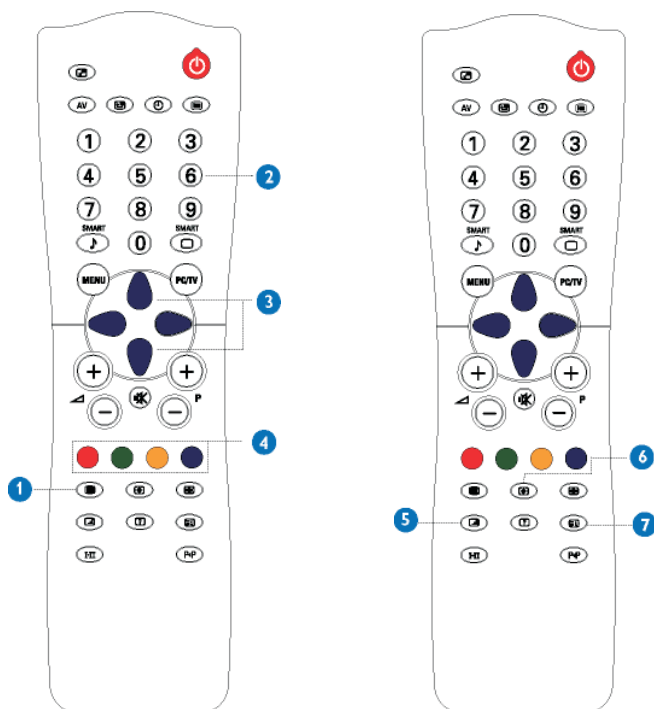









|   |                      |  |
|---|----------------------|--|
| 1 | PIP On/Off, Size     | To activate or close 'Picture in Picture' function in PC mode and to enlarge or reduce the PIP window size using the same button.  |
| 2 | PIP Shift            | To change 'Picture in Picture' window position in PC mode.   |
| 3 | AV source            | To select TV/Video sources in PIP mode and TV mode.  |
| 4 | Smart sound controls | To access a series of settings: VOICE, MUSIC, THEATRE and PERSONAL.  |
| 5 | Menu                 | To turn on or off the OSD (On-Screen Display). To select function in OSD.  |
| 6 | Cursor               | <p>To move the cursor up /down/right/left to scroll through a list of options</p> <ul style="list-style-type: none"> <li>Cursor right  To access the sub-menus and adjust the settings with cursor left </li> <li>Cursor down  To select the next item on the menu, and return to last item with cursor up </li> </ul> |
| 7 | Volume               | To adjust the sound level  |
| 8 | Mute                 | To disable sound. To restore sound, press button again.  |
| 9 | Closed Caption       | To disable or enable closed caption function   |



|    |                         |   |
|----|-------------------------|---|
| 10 | Sound mode              | To choose MONO, STEREO and SAP (2 <sup>nd</sup> audio programme) Sound system   |
| 11 | Previous programme      | To access the last channel viewed   |
| 12 | Selecting TV programmes | To move up or down a programme. The number, (the name) and the sound mode are displayed for a few seconds.                                    |
| 13 | PC/TV mode selection    | To select PC or TV mode.  |
| 14 | Smart picture controls  | To select your desired picture setting from 5 settings: MOVIES, SPORTS, WEAK SIGNAL, MULTIMEDIA and PERSONAL.                                 |
| 15 | Numerical keys          | For direct access to channel. For a 2 digit channel number, the 2 <sup>nd</sup> digit must be entered before the dash disappears              |
| 16 | OSD                     | To show OSD status  |
| 17 | Standby                 | To set the TV temporarily to STANDBY mode. Press the button again to return to ON.<br>(The amber light indicates when set is in standby mode) |
| 18 | Sleep timer             | To select the period of time after which the set will automatically switch to standby mode (up to 180 minutes)                                |

**Using the Teletext (for areas where teletext service is available)**  
Teletext is an information system broadcast by certain TV channels. It can be consulted in the same way as a newspaper. It also provides subtitles for the hard of hearing or people who are unfamiliar with the broadcast language (cable TV network, satellite channels, etc.).



|   | Press button  | Result on Screen   |
|---|---|--|
| 1 | On/Off Teletext<br>                                  | Display or exit Teletext. The main index page presents a list of subjects to which you have access. Each subject has a corresponding page number (always 3 digits). Note: If selected TV channel does not broadcast Teletext, P100 is displayed and the screen remains black. Exit Teletext mode and choose another TV channel.  |
| 2 | Selecting a Teletext page<br>                         | Key in the required Teletext page (3 digits). The page number is displayed in the top left hand corner of the screen. When the Teletext page is located, the counter stops searching. If the counter keeps searching, it means that the page is not available for selection. If you make a mistake when keying in the page number, you have to finish keying in the 3 digit number before re-keying the correct page number. |
| 3 | Accessing a Teletext page<br>                       | Press the CURSOR UP button to display the previous page and the CURSOR DOWN button to display the next page.   |
| 4 | Direct Access to an item or corresponding pages<br> | The 4-colour buttons allow you to access directly an item or corresponding pages.  |
| 5 | Mix<br>  | Allows you to superimpose the Teletext page over the TV programme. Press the button a second time to return to Teletext page only.   |
| 6 | Enlarge<br>  | Press the button once to enlarge and view the top half of the page. Press the button a second time to enlarge and view the bottom half of the page. Press the button a third time to return to normal size page.   |
| 7 | Main Index<br>                                     | Press the button to return to the main index (generally on page 100).  |

◀◀ Go to cover page


## PC Mode

| Icon | Menu Name and Sub - menus | Description   |
|------|---------------------------|---|
|      | EXIT                      | This is used to exit out of the Main menu..   |
|      | INPUT SELECT              | <p>Select video source for main display:</p> <ul style="list-style-type: none"> <li>PC ANALOG: PC VGA input</li> <li>PC DIGITAL: PC DIGITAL input</li> <li>TV TUNER: Antenna or cable TV input</li> <li>EXT: Scart input</li> <li>COMPOSITE: Composite video input</li> <li>S-VIDEO: S-video input</li> <li>COMPONENT: Component video input</li> </ul> |

|  |       |   |
|--|-------|---|
|  | AUDIO | <p>Select your preferred function.</p> <p>EXIT: Exit this menu</p> <p>TREBLE: Adjustable from 0 to 100</p> <p>BASS: Adjustable from 0 to 100</p> <p>BALANCE: Adjustable from 0 to 100</p> <p>VOLUME: Adjustable from 0 to 100</p> <p>SURROUND: ON/OFF</p> <p>MUTE: ON/OFF</p> <p>AUDIO SOURCE: Only in PC TV/VIDEO mode</p> <p>POWER SAVING: ON/OFF</p> |
|--|-------|---|

|  |                 |   |
|--|-----------------|---|
|  | SIZE & POSITION | <p>Positioning moves the viewing area around on the monitor screen.</p> <p>EXIT: Exit this menu</p> <p>H.POSITION /V.POSITION: When making changes to either the 'Horizontal' or 'Vertical' settings, the image will simply be shifted in response to your selection/change.</p> <p>Minimum is '0' (◀). Maximum is '100' (▶).</p> <p>4:3 ASPECT RATIO : Select 4:3 image display</p> <p>FULL SCREEN: Select full screen (16:9) image display</p> <p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li>When operating in DVI mode, the positioning adjustments are not available.</li> <li>The 4:3 Aspect Ratio and Full Screen items are not available in WXGA 1280x768 modes.</li> </ol> |
|--|-----------------|---|

|  |                  |   |
|--|------------------|---|
|  | IMAGING SETTINGS | <p>To adjust the image settings.</p> <p>EXIT: Exit this menu</p> <p>AUTO ADJUST: Press to select automatic adjustment .</p> <p>PHASE :Use the ◀ and ▶ buttons to adjust from 0 to 100.</p> <p>PIXEL CLOCK :Use the ◀ and ▶ buttons to adjust from 0 to 100.</p> <p><b>Note:</b> Operating in DVI mode, the Pixel Clock and Phase adjustments are not available.</p> |
|--|------------------|---|



**COLOR SETTINGS**

Color Settings adjusts the color temperature.

EXIT: Exit this menu

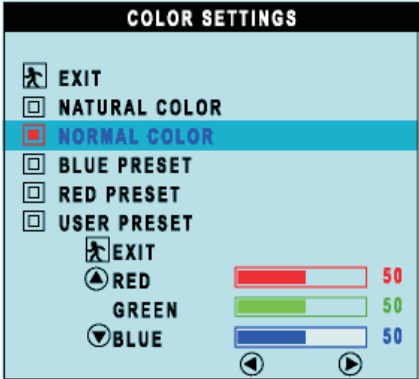
NATURE COLOR: Equivalent to original panel color.


NORMAL COLOR: 6500K (Same as sRGB) default from FACTORY

BLUE PRESET: Equivalent to 9300K

RED PRESET: Equivalent to 5700K

USER PRESET: Adjust red, green, blue three colors from 0 to 100.





**OSD SETTINGS**

Each time the OSD opens, it displays in the same location on the screen. 'OSD Settings' (horizontal/vertical) provides control over this location.

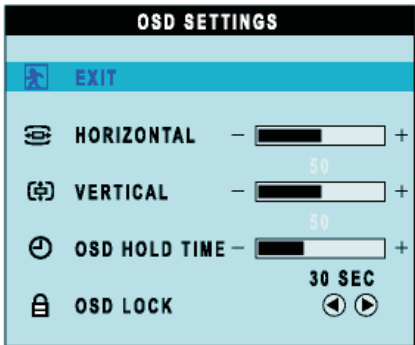
EXIT: Exit this menu


HORIZONTAL: Adjustable from 0 to 100.


VERTICAL: Adjustable from 0 to 100.

OSD HOLD TIME: The OSD stays active for as long as it is in use. The range of time setting is from 5 to 60 seconds.

OSD LOCK: Controls user access to adjustments. Shows key icon after selecting lock.





 **Note:** When the OSD is locked, press ing the menu button again and it will take user to OSD LOCK menu. Press (+) to unlock and allow user access to all applicable settings.



**LANGUAGE**

Language sets the OSD to display in one of the five or six languages provided. That is, English, Spanish, French, German, Italian (not available in NAFTA model) and Simplified Chinese (China models only).





**FACTORY RESET**

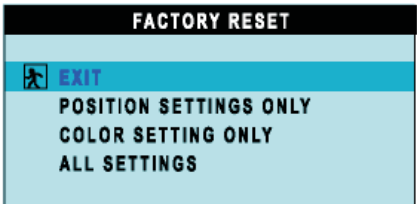
Reset the settings to the factory default values.


EXIT: Exit this menu

POSITION SETTINGS ONLY: Resume position setting to factory default.

COLOR SETTINGS ONLY: Resume color setting to factory default.

All SETTINGS: Load all factory default settings.





**PICTURE IN PICTURE**

Adjust picture in picture preferences.

SIZE: Turn off and set the size of PIP. Users can chose your preferred size.

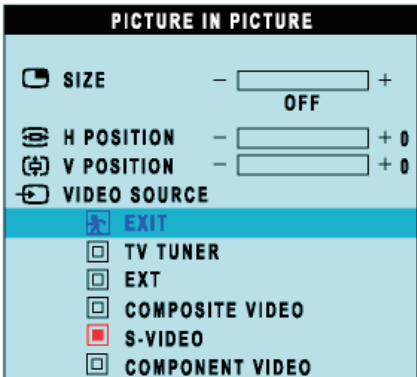
- OFF
- SMALL
- MEDIUM
- LARGE

H POSITION: Adjust the Horizontal position of PIP.

V POSITION: Adjust the Vertical position of PIP.

VIDEO SOURCE: Select video source of PIP:

- EXIT
- TV TUNER
- EXT
- COMPOSITE VIDEO
- S-VIDEO
- COMPONENT VIDEO



Audio/Video Mode

EXIT

Exit from this menu.

PHILIPS30 INCH LCD

VIDEO MAIN CONTROLS

EXIT

INPUT SELECT

PICTURE

AUDIO

LANGUAGE

SPECIAL FEATURES

PARENTAL CONTROLS

FACTORY RESET

INPUT SELECT

Use up and down arrow button to highlight the "INPUT SELECT".

Select video source for main display:

- PC ANALOG: PC VGA input
- PC DIGITAL: PC DIGITAL input
- TV TUNER: Antenna or cable TV input
- EXT: Scart input
- COMPOSITE: Composite video input
- S-VIDEO: S-video input
- COMPONENT: Component video input

INPUT SELECT

☐ PC ANALOG

☐ PC DIGITAL

☐ TV TUNER

☐ EXT

☐ COMPOSITE

☐ S-VIDEO

☒ COMPONENT

LANGUAGE

Set language for OSD.

There are 6 languages of OSD display.

- ENGLISH
- ESPAÑOL
- FRANÇAIS
- DEUTSCH
- ITALIANO
- 中文

LANGUAGE

☒ ENGLISH

☐ ESPAÑOL

☐ FRANÇAIS

☐ DEUTSCH

☐ ITALIANO

☐ 中文

NOTE: In AP/China models, Simplified Chinese is supported.

PICTURE

Adjust picture characteristics to suit personal preference.

EXIT: Exit from this menu

BRIGHTNESS: Adjustable from 0 to 100

CONTRAST: Adjustable from 0 to 100

COLOR: Adjustable from 0 to 100

SHARPNESS: Adjustable from 0 to 100

TINT: Not available in component input in all models. Adjustable from 0 to 100

HORIZONTAL SHIFT: Adjustable from 0 to 100

COLOR TEMP: Select from Normal, Cool or Warm by "-" and "+" buttons.

PICTURE

EXIT

BRIGHTNESS-+ 48

CONTRAST-+ 65

COLOR-+ 60

SHARPNESS-+ 18

HOR. SHIFT-+ 100

COLOR TEMP-+

NORMAL

NOTE:

- "TINT" is not available in component input in all models.
- "TINT" is available in NAFTA model only.
- "HOR SHIFT" only function in component input.

AUDIO

Adjust audio characteristics to suit personal preference.

EXIT: Exit from this menu.

TREBLE: Adjustable from 0 to 100

BASS: Adjustable from 0 to 100

BALANCE: Adjustable from 0 to 100

VOLUME: Adjustable from 0 to 100

SURROUND: Switch Surround Sound On/ Off

MUTE: Switch Mute On/ Off

AUDIO

PERSONAL

EXIT

TREBLE-+ 49

BASS-+ 50

BALANCE-+ 50

VOLUME-+ 12

SURROUND⏮ ON ⏭

MUTE⏮ OFF ⏭

SPECIAL  
FEATURES

Activate special control features:

EXIT: Exit from this menu.

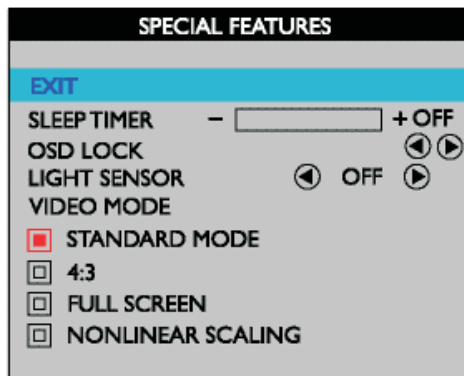
SLEEP TIMER: Slide bar to select  
off/15/30/60/90/120/150/180.

OSD LOCK: Show key icon after selecting lock.

LIGHT SENSOR: Push the  buttons to toggle Light  
Sensor function.

VIDEO MODE: Set the screen scaling mode to suit personal  
preference:

- STANDARD MODE
- 4:3
- FULL SCREEN
- NONLINEAR SCALING

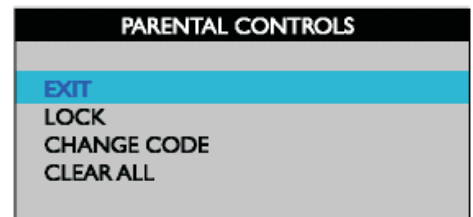
PARENTAL  
CONTROLS

1) When users first enter the PARENTAL CONTROLS, the  
screen will show the window asking user key in the code.



2) Users will see the window "Access code" when they enter  
this function.

- EXIT
- LOCK
- CHANGE CODE
- CLEAR ALL



3) Enter Master code "0711" twice or the code entered in  
step 1.

FACTORY  
RESET

Reset the setting to default values.

NO: Keep the setting as current.

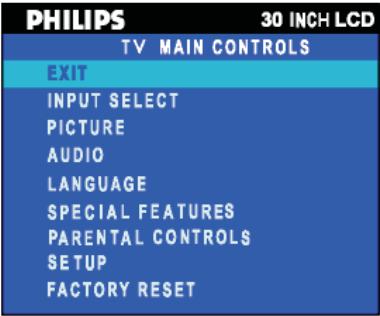
YES: Load factory setting



## TV Mode

EXIT

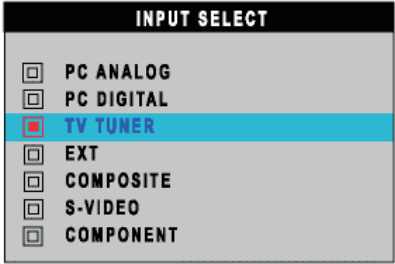
Exit from this menu



INPUT SELECT

Select video source for main display:

- PC ANALOG: PC VGA input
- PC DIGITAL: PC DIGITAL input
- TV TUNER: Antenna or cable TV input
- EXT: Scart input
- COMPOSITE: Composite video input
- S-VIDEO: S-video input
- COMPONENT: Component video input



PICTURE

Adjust picture characteristics to suit personal preference.

EXIT: Exit from this menu

BRIGHTNESS: Adjustable from 0 to 100

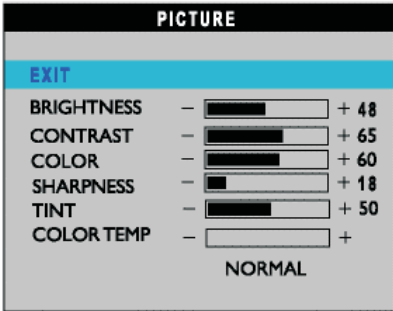
CONTRAST: Adjustable from 0 to 100


COLOR: Adjustable from 0 to 100

SHARPNESS: Adjustable from 0 to 100

TINT: Not available in component input.  
Adjustable from 0 to 100

COLOR TEMP: Select from Normal, Cool or Warm by "-" and "+" buttons.





NOTE:

1. "TINT" is not available in component input in all models.

2. "TINT" is available in NAFTA model only.

AUDIO

Adjust audio characteristics to suit personal preference.

EXIT: Exit from this menu.

TREBLE: Adjustable from 0 to 100


BASS: Adjustable from 0 to 100

BALANCE: Adjustable from 0 to 100

VOLUME: Adjustable from 0 to 100

SURROUND: Switch Surround Sound On/ Off

MUTE: Switch Mute On/ Off



LANGUAGE

Set language for OSD.

There are 6 languages of OSD display.

- ENGLISH
- ESPAÑOL
- FRANCAIS
- DEUTSCH
- ITALIANO
- 中文


SPECIAL FEATURES

Activate special control features:

EXIT: Exit from this menu.

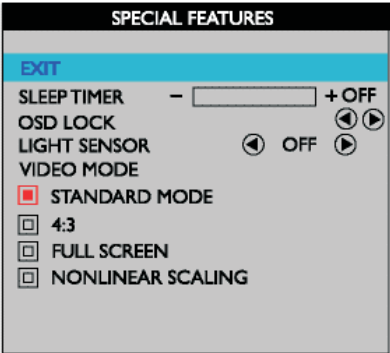
SLEEP TIMER: Slide bar to select  
off/15/30/60/90/120/150/180.

OSD LOCK: Show key icon after selecting lock.

LIGHT SENSOR: Push the  buttons to toggle Light Sensor function.

VIDEO MODE: Set the screen scaling mode to suit personal preference:

- STANDARD MODE
- 4:3
- FULL SCREEN
- NONLINEAR SCALING





PARENTAL CONTROLS

1) When users first enter the PARENTAL CONTROL, the screen will show the window asking user key in the code.

CHANGE CODE

ENTER NEW CODE

CONFIRM CODE

2) Users will see the window "Access code" when they enter this foundation.

- EXIT
- LOCK
- CHANGE CODE
- CLEAR ALL

PARENTAL CONTROLS

EXIT

LOCK

CHANGE CODE

CLEAR ALL

3) Enter Master code "0711" twice or the code entered in step 1.

PARENTAL CONTROLS

ACCESS CODE

SETUP

SETUP

EXIT

SYSTEM

AUTO STORE

MANUAL STORE

CHANNEL SKIP

CHANNEL SWAP

SYSTEM:

SYSTEM

☒ EUROPE

☐ WEST EUR B/G

☐ UK I

☐ EAST EUR D/K

☐ FRANCE L



NOTE: The SYSTEM item is only available in Western Europe model.

CHANNEL SEARCH:

CHANNEL SEARCH

PLEASE WAIT

PROG. FOUND 3

SEARCH 175.25 MHz

SETUP

MANUAL STORE:

MANUAL STORE

EXIT

SEARCH 175.25 MHz

PROG. NO 1

FINETUNE STORE 50

CHANNEL SKIP:

CHANNEL SKIP

▲

I

▼

◀ SKIPPED ▶

CHANNEL SWAP:

CHANNEL SWAP

EXIT

FROM

TO

EXCHANGE

◀ | ▶

◀ | ▶

FACTORY RESET

Reset the setting to default values.

NO: Keep the setting as current.

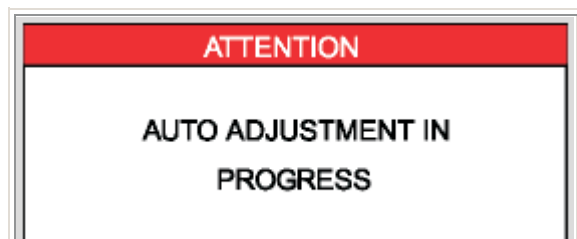
YES: Load factory setting

FACTORY RESET

☒ NO

☐ YES

A warning message may appear on the screen indicating the LCD Monitor TV current status.



When user sees this warning message, it means that the LCD Monitor TV is in adjustment process.

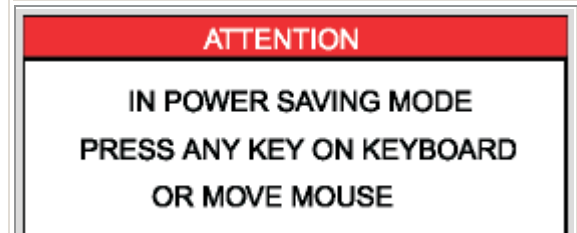


A warning message may appear on the screen indicating that the LCD Monitor TV is out of sync range.

See Specifications for the Horizontal and Vertical frequency ranges addressable by this the LCD Monitor TV. Recommended mode is 1280x 768 @ 60Hz.



This message means that there is no video input signal.



The LCD Monitor TV is in a power saving mode (in PC mode).



The main OSD menu is unlocked.



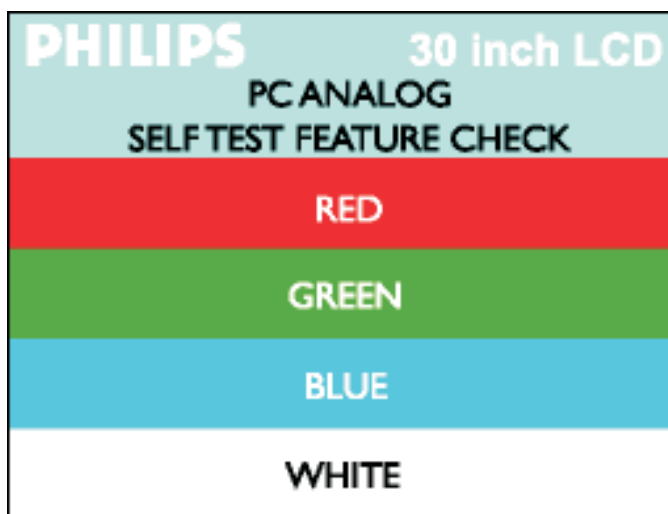
The main OSD menu is locked.

#### Self-Test Feature Check (STFC)

Your the LCD Monitor TV when used as a computer display through DVI and/or VGA connection provides a self-test feature that allows you to check whether your the LCD Monitor TV is functioning properly. If your the LCD Monitor TV and computer are properly connected but the LCD Monitor TV screen remains dark, run the LCD Monitor TV self-test by performing the following steps:

1. Turn off both your computer and the LCD Monitor TV.
2. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both Digital(white connector) and the Analog(blue connector) cables from the back of computer.
3. Turn on the LCD Monitor TV.

The floating 'Philips - self-test Feature Check' dialog box should appear on-screen (against a black background) if the LCD Monitor TV cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains green and the self-test pattern will scroll through the screen continually.



This box also appears during normal system operation if the video cable becomes disconnected or damaged.

4. Turn off your the LCD Monitor TV and reconnect the video cable; then turn on both your computer and the LCD Monitor TV. If your the LCD Monitor TV screen remains blank after you use the previous procedure, check your video controller and computer system; your LCD Monitor TV is functioning properly.

## Common Problems

The following table contains general information about common LCD TV problems you might encounter.

| COMMON SYMPTOMS           | WHAT YOU EXPERIENCE                  | POSSIBLE SOLUTIONS   |
|---------------------------|--------------------------------------|--|
| No Video/ Power LED off   | No picture, LCD TV is dead           | Check connection integrity at both ends of the video cable<br>Electric outlet verification<br>Ensure power button depressed fully  |
| No Video/ Power LED on    | No picture or no brightness          | Increase brightness & contrast controls<br>Perform LCD TV self-test feature check<br>Check for bent or broken pins   |
| Poor Focus                | Picture is fuzzy, blurry or ghosting | Push Auto adjust button<br>Adjust Phase and Clock controls via OSD<br>Eliminate video extension cables<br>Perform LCD TV reset<br>Lower video resolution or increase font size   |
| Shaky/Jittery Video       | Wavy picture or fine movement        | Push Auto Adjust button<br>Adjust Phase and Clock controls via OSD<br>Perform LCD TV reset<br>Check environmental factors<br>Relocate and test in other room   |
| Missing Pixels            | LCD screen has spots                 | Cycle power on-off<br>These are pixels that are permanently off and is a natural defect that occurs in LCD technology  |
| Stuck-on Pixels           | LCD screen has bright spots          | Cycle power on-off<br>These are pixels that are permanently on and is a natural defect that occurs in LCD technology   |
| Brightness Problems       | Picture too dim or too bright        | Perform LCD TV reset<br>Push Auto Adjust button<br>Adjust brightness & contrast controls<br><br><i>Note: When operating in DVI mode, the contrast adjustment is not available.</i>   |
| Geometric Distortion      | Screen not centered correctly        | Perform LCD TV reset on "Position Settings Only"<br>Push auto-adjust button<br>Adjust the centering controls<br>Ensure LCD TV is in proper video mode<br><i>Note: When operating in DVI mode, the positioning adjustments are not available.</i>   |
| Horizontal/Vertical Lines | Screen has one or more lines         | Perform LCD TV reset<br>Push Auto Adjust button<br>Adjust Phase and Clock controls via OSD<br>Perform LCD TV self-test feature check and determine if these lines are also in self-test mode<br>Check for bent or broken pins<br><i>Note: When operating in DVI mode, the Pixel Clock and Phase adjustments are not available.</i> |
| Sync Problems             | Screen is scrambled or appears torn  | Perform LCD TV reset<br>Push Auto Adjust button<br>Adjust Phase and Clock controls via OSD<br>Perform LCD TV self-test feature check to determine if scrambled screen appears in self-testMode<br>Check for bent or broken pins<br>Boot up in the "safe mode"  |
| LCD Scratched             | Screen has scratches or smudges      | Turn LCD TV off and clean the screen   |
| Safety Related Issues     | Visible signs of smoke or sparks     | Do not perform any troubleshooting steps<br>LCD TV needs to be replaced  |
| Intermittent Problems     | LCD TV malfunctions on & off         | Ensure LCD TV is in proper video mode<br>Ensure video cable connection to computer and to the flat panel is secure<br>Perform LCD TV reset<br>Perform LCD TV self-test feature check to determine if the intermittent problem occurs in self-test mode   |

# Troubleshooting

◀◀ [Go to cover page](#)

## TV and Audio Problems

### COMMON SYMPTOMS

| COMMON SYMPTOMS          | WHAT YOU EXPERIENCE                                   | POSSIBLE SOLUTIONS   |
|--------------------------|---|--|
| Poor TV signal reception | Abnormal picture seen from the screen                 | The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your pictures: see 'fine tuning' or adjust the direction of the outside aerial. For Asia users in non-NTSC area: Does your antenna enable you to receive broadcasts in this frequency range UHF or VHF band)? In the event of difficult reception (snowy pictures) switch the NR on the PICTURE menu to ON. |
| No TV picture            | No picture when TV input was selected                 | Have you connected the aerial socket properly? Have you chosen the right system? Poorly connected SCART Cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the LCD TV set is moved or turned). Check all connections.   |
| No sound                 | No sound output when a program with sound was playing | Ensure that the audio cables are firmly connected to both the audio input connectors on your LCD TV and audio output connectors on your PC or Video player.<br>If on certain TV channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the SYSTEM setting.   |

## Video Problems

### COMMON SYMPTOMS

| COMMON SYMPTOMS          | WHAT YOU EXPERIENCE                         | POSSIBLE SOLUTIONS   |
|--------------------------|---|--|
| No Video                 | No signal indicator is displayed.           | Check Video Input Selection<br>Composite: Yellow colored RCA jack<br>S-Video: Typically a round 4 pin jack<br>Component: Typically 3 RCA jacks of Green, Red and Blue.               |
| Low Quality DVD playback | Picture not crisp and some color Distortion | Check DVD connection<br>Composite gives good picture<br>S-Video gives better picture<br>Component gives best picture   |
| No sound                 | See video but no audio                      | Check if TV volume is turn off or muted<br>Connect the audio cable securely<br>Audio cable is connected incorrectly<br>Verify that the audio source is selected correctly in the OSD |

## Remote Control Problems

### REMOTE CONTROL PROBLEMS

| REMOTE CONTROL PROBLEMS               | WHAT YOU EXPERIENCE                            | POSSIBLE SOLUTIONS  |
|---------------------------------------|--|---|
| Remote control does not work properly | No response from LCD TV when remote is pressed | Point the remote control directly at the remote sensor on the LCD TV<br>Replace both batteries with new ones! |

## Product Specific Problems

### SPECIFIC SYMPTOMS

| SPECIFIC SYMPTOMS  | WHAT YOU SEE   | POSSIBLE SOLUTIONS  |
|--|--|---|
| Screen image is too Small                                    | Image is centered on screen, but does not fill entire viewing area | Perform LCD TV reset on "All Settings"  |
| Cannot adjust the LCD TV with the buttons on the front panel | OSD does not appear on the screen                                  | Turn the LCD TV off and unplug the power cord and then plug back and power on |

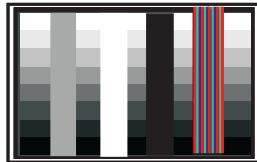
Quick reference for failure mode of LCD panel

This page presents problems that could be made by LCD panel. It is not necessary to repair circuit board. Simply follow the Mechanical instruction on this manual to eliminate failure by replace LCD panel or backlight tubes.

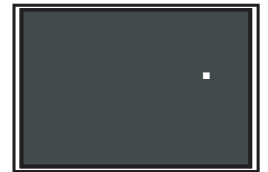
Failure description

Phenomenon

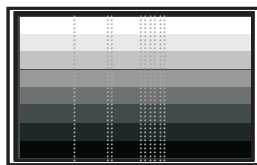
Vertical block defect



Polarizer has bubbles



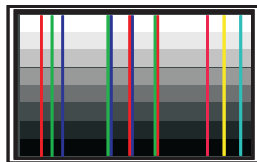
Vertical dim lines



Polarizer has bubbles



Vertical lines defect  
(Always bright or dark)



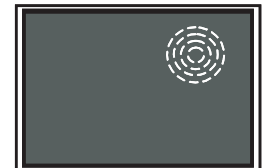
Foreign material inside polarizer. It shows linear or dot shape.



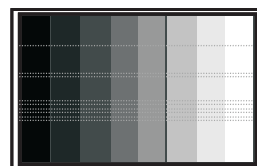
Horizontal block defect



Concentric circle formed



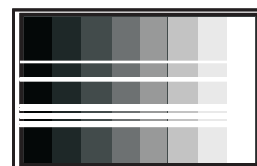
Horizontal dim lines



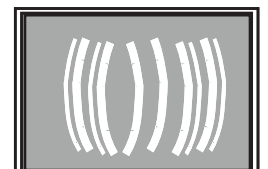
Bottom back light of LCD is brighter than normal



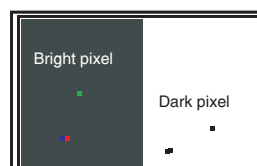
Horizontal lines defect  
(Always bright or dark)



Backlight un-uniformity



Has bright or dark pixel



Backlight has foreign material. Black or white color, linear or circular type



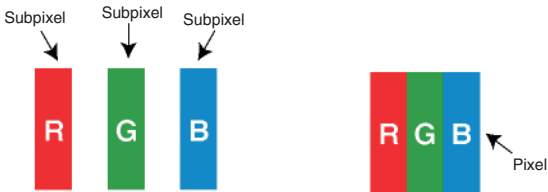
Go to cover page

## 0. General

This section explains the different types of pixel defects and defines acceptable defect levels of each type. In order to qualify for repair or replacement under warranty, the number of pixel defects on a TFT LCD panel must exceed these acceptable levels.

## 1. Definition of Pixels and Subpixels

A pixel, or picture element, is composed of three subpixels in the primary colors of red, green and blue. Many pixels together form an image. When all subpixels of a pixel are lit, the three colored subpixels together appear as a single white pixel. When all are dark, the three colored subpixels together appear as a single black pixel. Other combinations of lit and dark subpixels appear as single pixels of other colors.



## 2. Types of Pixel Defects

Pixel and subpixel defects appear on the screen in different ways.

### Bright dot defects

Bright dot defects appear as pixels or subpixels that are always lit or "on". These are the types of bright dot defects:.

One lit red, green or blue subpixel



Two adjacent lit subpixels:

- Red + Blue = Purple
- Red + Green = Yellow
- Green + Blue = Cyan (Light Blue)



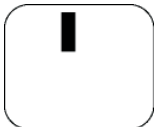
Three adjacent lit subpixels  
(One white pixel)



### Black dot defects

Black dot defects appear as pixels or subpixels that are always dark or "off". These are the types of black dot defects:

One dark subpixel



Two or three adjacent dark subpixels



## 3. Pixel Defect Tolerances

In order to qualify for repair or replacement due to pixel defects during the warranty period, a TFT LCD panel in a PHILIPS flat panel monitor must have pixel or subpixel defects exceeding the tolerances listed in the following tables.

| BRIGHT DOT DEFECTS                                | ACCEPTABLE LEVEL |
|---|------------------|
| MODEL   | 300WN5           |
| 1 lit sub pixel                                   | 3 or fewer       |
| 2 adjacent lit sub pixels                         | 0                |
| 3 adjacent lit sub pixels<br>(one white pixel)    | 0                |
| Distance between two<br>bright dot defects*       | 25 mm or more    |
| Total bright dot defects of<br>all types          | 2 or fewer       |
| BLACK DOT DEFECTS                                 | ACCEPTABLE LEVEL |
| MODEL   | 300WN5           |
| 1 dark sub pixel                                  | 5 or fewer       |
| 2 adjacent dark sub pixels                        | 1 or fewer       |
| 3 adjacent dark sub pixels                        | 0                |
| Distance between two<br>black dot defects*        | 15 mm or more    |
| Total black dot defects of<br>all types           | 5 or fewer       |
| TOTAL DOT DEFECTS                                 | ACCEPTABLE LEVEL |
| MODEL   | 300WN5           |
| Total bright or black dot<br>defects of all types | 5 or fewer       |

Note: 1 or 2 adjacent subpixel defects = 1 dot defect



300WN5 23

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1. Lay LCD-TV on a flat, soft and clean surface as Fig 1.



Fig 1

2. Remove speakers and bases as Fig 2.



Fig 2 :  
Remove 8  
screws.

3. Remove front bezel as Fig 3~7.

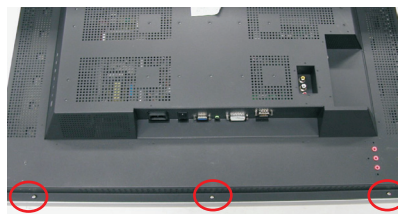


Fig 3 : Remove 3 screws  
on the bottom.



Fig 4 : Remove 3 screws  
on the left.



Fig 5 : Remove 3 screws  
on the top.



Fig 6 : Remove 3 screws  
on the right.



Fig 7 : Remove 1 screw  
on IR PCB.

4. Remove back cover as Fig 8~11.



Fig 8 : Remove  
4 screws  
on panel.

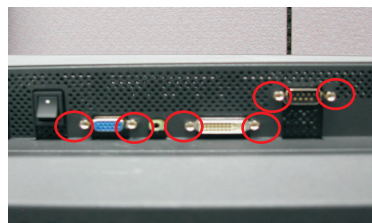


Fig 9 : Remove 6 hex  
screws.

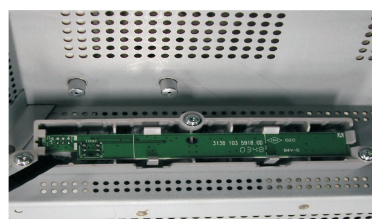


Fig 10: Remove control  
PCB.



Fig 11 : Remove 3 screws  
on audio jack  
PCB.

5. You can repair each board like this position as Fig 12.

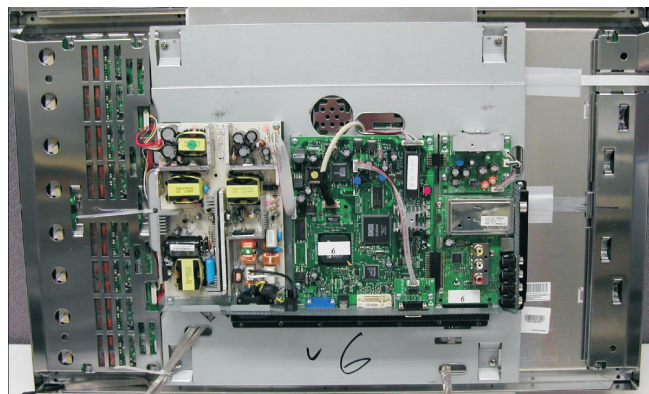


Fig 12

6. Remove metal frame from LCD panel as Fig 13

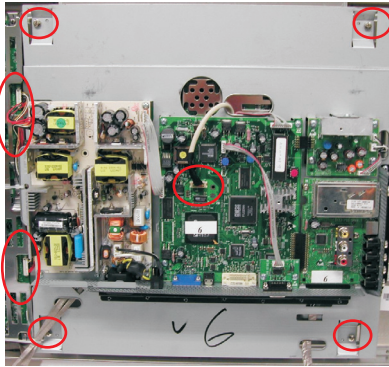


Fig 13 : Remove 4 screws and 3 wires.

7. Rear view on LCD panel as Fig 14.

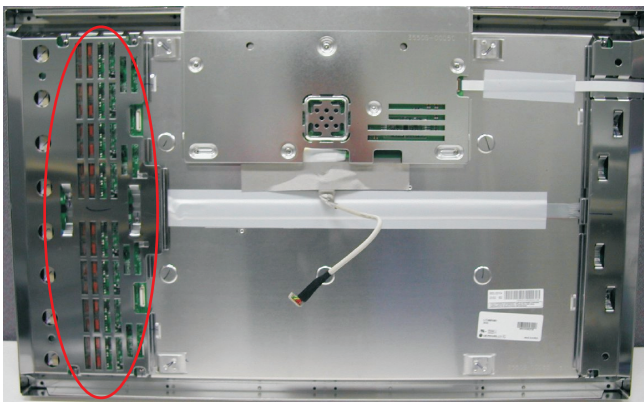


Fig 14

Remark : Don't repair inverter PCB. LCD panel + inverter PCB is a module.



# Display Adjustment

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## Display Adjustment:

Press ◀ and ▶ button simultaneously for 10 secs when monitor on normal mode. Adjust OSD menu to lower position of screen (i.g. adjust Horizontal OSD Position and Vertical OSD Position to 0 at OSD setting sub-menu. Then press ▼ or ▲ button to move the cursor to red words area ( see red circle on Fig 1). Press **Menu** button to access to factory mode (see Fig 2.). Please make sure firmware version and EDID data are correct. Please do display alignment after aging 1 hour at least.

Fig. 1

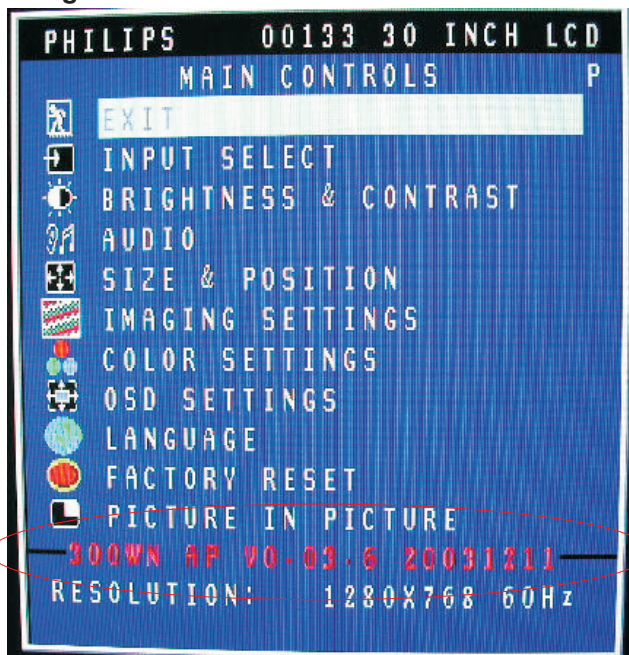
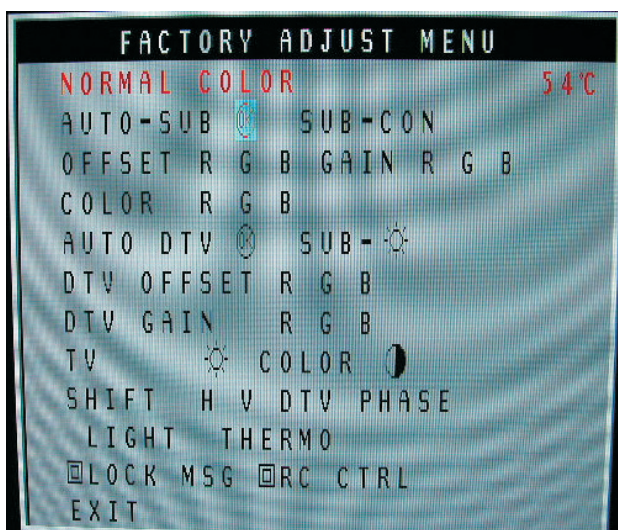


Fig 2. Factory menu :



PC mode WHITE-D adjustment (B)

1 Apply 1280X768/60Hz mode with 5 block pattern as Fig 3. Set main controls brightness control at 50% and contrast to 50% on User mode. Set color setting at natural color on User mode. Move cursor to "AUTO-SUB" item on factory mode, press "menu" key to active this function, then scaler will adjust SUB-CON, Offset RGB and Color RGB automatically by it self.

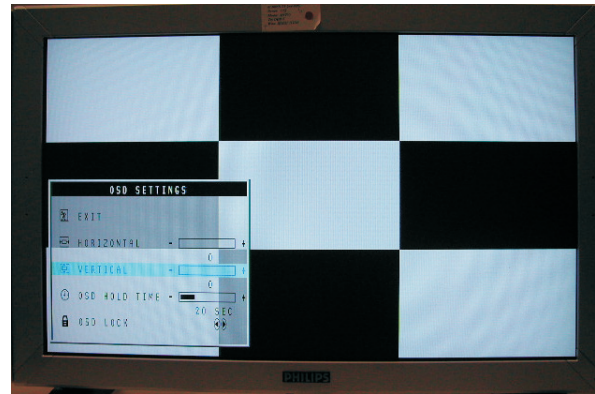


Fig. 3

2. Apply a 1280x768/60Hz signal with white pattern. Set brightness control at 50% and contrast control at 50%. Adjust the R.G.B gain to reach special color temperature on center of screen.

- 2.1 Aim the probe CA-A30 at the center of screen as Fig. 4
- 2.2 Remove the lens protective cover of probe CA-A30.
- 2.3 Set Measuring/viewing selector to Measuring position for reset analyzer. (Zero calibration) as Fig. 5
- 2.4 Turn on the colour analyzer (CA-110).
- 2.5 Press 0-CAL button to start reset analyzer. See Fig. 6

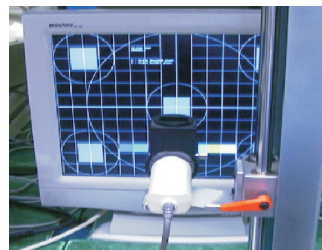


Fig. 4

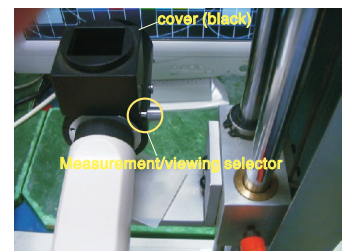


Fig. 5



Fig. 6

- 2.6 Switch light probe to Viewing position.
- 2.7 Move the Lens barrel forward or backward to get clear image as shown in Fig. 7
- 2.8 Switch light probe to Measuring position. It should be able to indicate colour value on the CA-110.

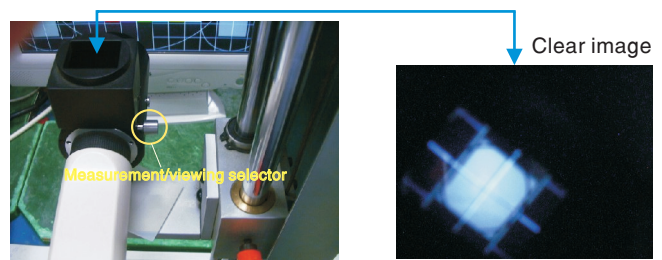


Fig. 7

2.9 Set color setting on normal color, blue preset and red preset on User mode respectively and adjust Gain RGB and Sub-brightness on factory mode to meet following specification.

| PC Color Temp. | Normal /sRGB      | Blue / 9300°K     | Red /5700°K       |
|----------------|-------------------|-------------------|-------------------|
| x (center)     | $0.313 \pm 0.020$ | $0.283 \pm 0.020$ | $0.328 \pm 0.020$ |
| y (center)     | $0.329 \pm 0.020$ | $0.297 \pm 0.020$ | $0.344 \pm 0.020$ |

Use Minolta CA-110 for color coordinates and luminance check.

- i. Luminance>380 nits in the center of the screen at Original ( Natural ) color and PC Brightness control; Contrast control at 100%
- ii. Luminance =180 +/- 15 nits in the center of the screen at sRGB colour temp. (Brightness and Contrast control set at 50% ) .

Alignment hits:

R for x value , G for y value, B and Sub-brightness for Y value on the Colour analyzer.

2.10 Exit factory mode and User mode, then do DC on/off and AC on/of to reset CPU.

3. After PC mode display adjustment, TV mode and HDTV mode will be set as PC mode automatically by software.

# Safety Test Requirements

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All units that are returned for service or repair must pass the original manufactures safety tests. Safety testing requires both *Hipot* and *Ground Continuity* testing.

## HI-POT TEST INSTRUCTION

### 1. Application requirements

- 1.1 All mains operated products must pass the Hi-Pot test as described in this instruction.
- 1.2 This test must be performed again after the covers have been refitted following the repair, inspection or modification of the product.

### 2. Test method

#### 2.1 Connecting conditions

- 2.1.1 The test specified must be applied between the parallel-blade plug of the mainscord and all accessible metal parts of the product.
- 2.1.2 Before carrying out the test, reliable conductive connections must be ensured and thereafter be maintained throughout the test period.
- 2.1.3 The mains switch(es) must be in the "ON" position.

#### 2.2 Test Requirements

All products should be HiPot and Ground Continuity tested as follows:

| Condition             | HiPot Test for products where the mains input range is Full range(or 220V AC) | HiPot Test for products where the mains input is 110V AC(USA type) | Ground Continuity Test requirement   |
|-----------------------|---|--|--|
| Test voltage          | 2820VDC (2000VAC)   | 1700VDC (1200VAC)  | Test current: 25A,AC<br>Test time: 3 seconds(min.)<br>Resistance required: $\leq 0.09 + R$ ohm, R is the resistance of the mains cord. |
| Test time (min.)      | 3 seconds   | 1 second   |  |
| Trip current (Tester) | set at 100 uA for Max. limitation; set at 0.1 uA for Min. limitation          | 5 mA   |  |
| Ramp time             | set at 2 seconds  |  |  |

- 2.2.1 The test with AC voltage is only for production purpose, **Service center shall use DC voltage.**
- 2.2.2 The minimum test duration for Quality Control Inspector must be 1 minute. No breakdown during the test.
- 2.2.3 The test voltage must be maintained within the specified voltage + 5%.
- 2.2.4 The grounding blade or pin of mains plug must be conducted with accessible metal parts.

### 3. Equipments and Connection

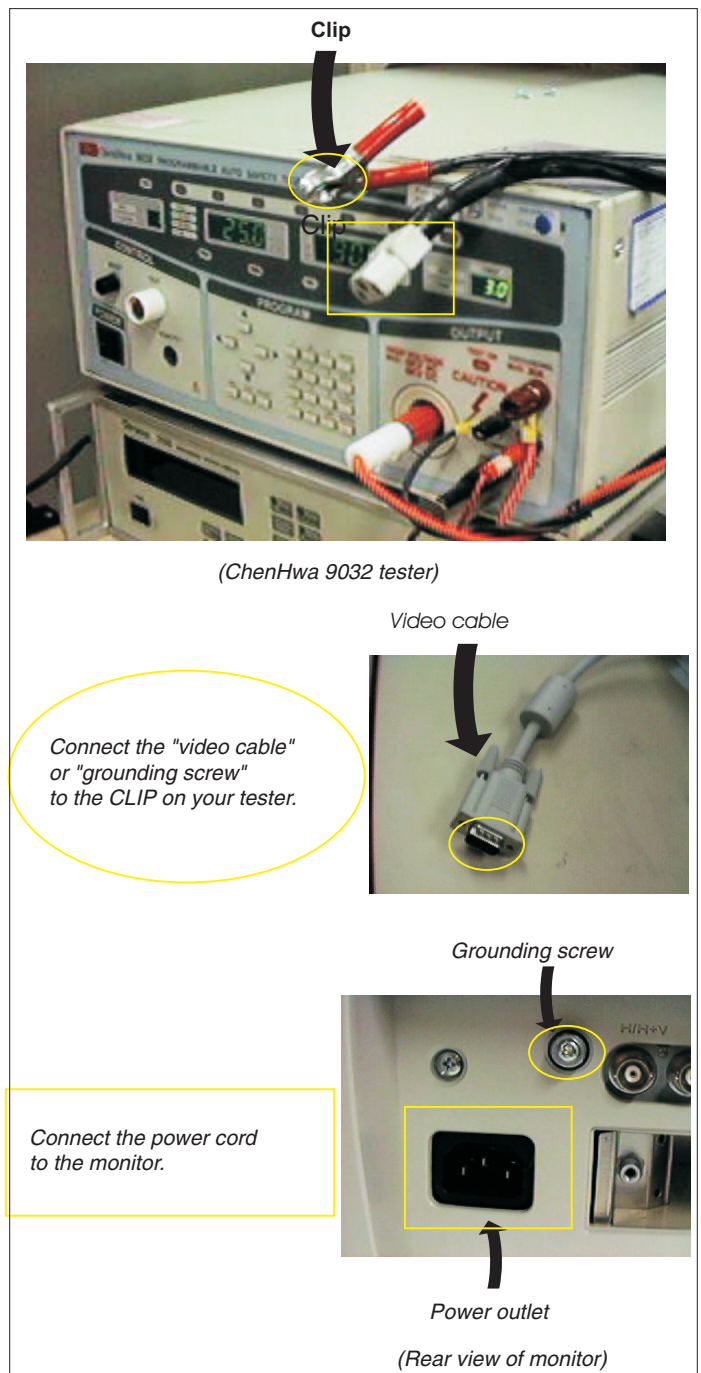
#### 3.1. Equipments

For example :

- ChenHwa 9032 PROGRAMMABLE AUTO SAFETY TESTER
- ChenHwa 510B Digital Grounding Continuity Tester
- ChenHwa 901 (AC Hi-pot test), 902 (AC, DC Hi-pot test) Withstanding Tester

#### 3.2. Connection

- \* Turn on the power switch of monitor before Hipot and Ground Continuity testing.



### 4. Recording

Hipot and Ground Continuity testing records have to be kept for a period of 10 years.



## General

### DDC Data Re-programming

In case the DDC data memory IC or main EEPROM which storage all factory settings were replaced due to a defect, the serial numbers have to be re-programmed.

It is advised to re-soldered DDC IC and main EEPROM from the old board onto the new board if circuit board have been replaced, in this case the DDC data does not need to be re-programmed.

### Additional information

Additional information about DDC (Display Data Channel) may be obtained from Video Electronics Standards Association (VESA). Extended Display Identification Data(EDID) information may be also obtained from VESA.

DDC EDID structure

For Analog interface: Standard Version 3.0  
Structure Version 1.2

For Digital interface: Standard Version 3.0  
Structure Version 1.3

## System and equipment requirements

1. An i486 (or above) personal computer or compatible.
2. Microsoft operation system Windows 95/98.
3. EDID301.EXE program (3138 106 10103) as shown in Fig. 1
4. A/D Alignment kits (3138 106 10079):  
inclusion : a. Alignment box x1 (as Fig. 2)

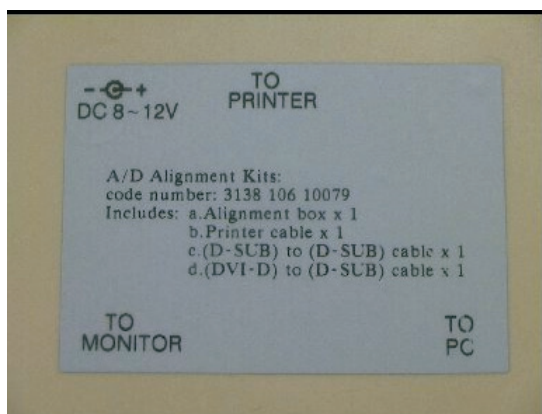


Fig. 2

- b. Printer cable x1  
c. (D-Sub) to (D-Sub) cable x1

Note: The EDID301.EXE (Release Version 1.58 20000818) is a windows-based program, which cannot be run in MS-DOS.

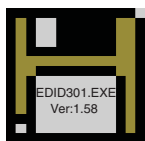
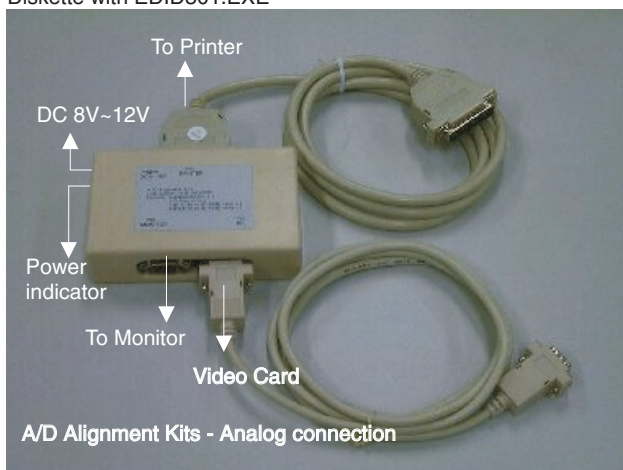
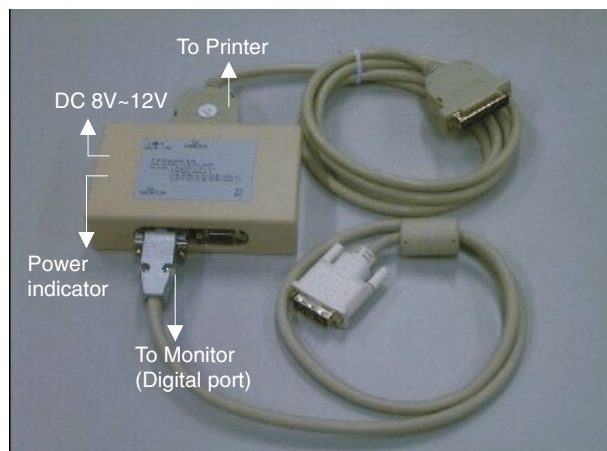


Fig. 1

Diskette with EDID301.EXE



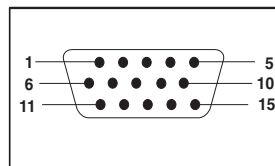
Note: The alignment box has already build-in a batteries socket for using batteries (9V) as power source. Pull out the socket by remove four screws at the rear of box. Please do not forget that remove batteries after programming. The energy of batteries can only drive circuits for a short period of time.



A/D Alignment Kits - Digital connection

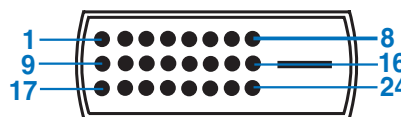
## Pin assignment

### A. 15-pin D-Sub Connector



| Pin No. | Assignment         | Pin No. | Assignment            |
|---------|--------------------|---------|-----------------------|
| 1       | Red video input    | 9       | +5V                   |
| 2       | Green video input  | 10      | Ground                |
| 3       | Blue video input   | 11      | Ground                |
| 4       | Ground             | 12      | Serial data line(SDA) |
| 5       | No Connected       | 13      | H.Sync                |
| 6       | Red video ground   | 14      | V.Sync(VCLK for DDC)  |
| 7       | Green video ground | 15      | Data clock line(SCL)  |
| 8       | Blue video ground  |         |                       |

### B. DVI-D Connector



| Pin No. | Assignment           | Pin No. | Assignment           |
|---------|----------------------|---------|----------------------|
| 1       | TMDS Data 2-         | 13      | TMDS Data 3+         |
| 2       | TMDS Data 2+         | 14      | +5V Power            |
| 3       | TMDS Data 2/4 Shield | 15      | Ground (+5V)         |
| 4       | TMDS Data 4-         | 16      | Hot Plug Detect      |
| 5       | TMDS Data 4+         | 17      | TMDS Data 0-         |
| 6       | DDC Clock            | 18      | TMDS Data 0+         |
| 7       | DDC Data             | 19      | TMDS Data 0/5 Shield |
| 8       | No connect           | 20      | TMDS Data 5-         |
| 9       | TMDS Data 1-         | 21      | TMDS Data 5+         |
| 10      | TMDS Data 1+         | 22      | TMDS Clock Shield    |
| 11      | TMDS Data 1/3 Shield | 23      | TMDS Clock+          |
| 12      | TMDS Data 3-         | 24      | TMDS Clock-          |

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## 1. Configuration and procedure

There are two ICs contained serial number on the circuit board, Analog Flash ROM IC (7301), and main EEPROM (7302) which storage all factory settings. Following descriptions are the connection and procedure for Analog Flash ROM IC, the main EEPROM can be re-programmed along with Analog IC by enable factory memory data write function on the DDC program (EDID301.EXE).

### Initialize alignment box

**In order to avoid that monitor entering power saving mode due to sync will cut off by alignment box, it is necessary to initialize alignment box before running programming software (EDID301.EXE). Following steps show you the procedures and connection.**

- Step 1: Supply 8~12V DC power source to the Alignment box by plugging a DC power cord or using batteries.  
 Step 2: Connecting printer cable and video cable of monitor as Fig. 1  
 Step 3: Run the EDID301.EXE program until the main menu appears.  
 This is for initialize alignment box.

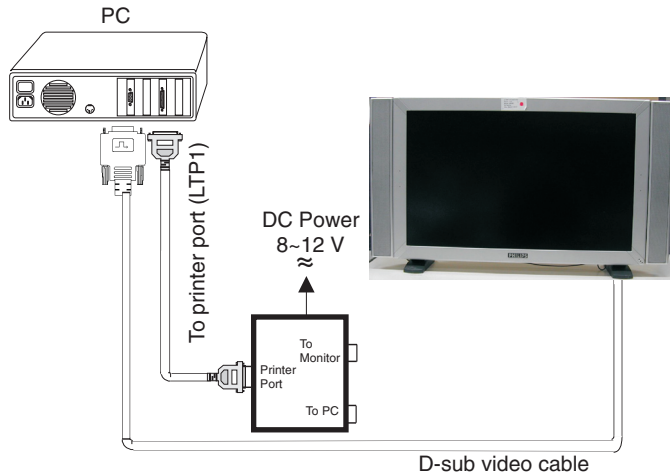


Fig. 1

### Re-programming DDC IC

- Step 1: After initialize alignment box, connecting all cables and box as Fig. 2 for analog DDC, Fig.3 for digital DDC  
 Step 2: Press and hold "Menu" and "Plus" buttons then power on the monitor.  
 Step 3: Follow the steps on DDC re-programming instructions to starting re-programming.

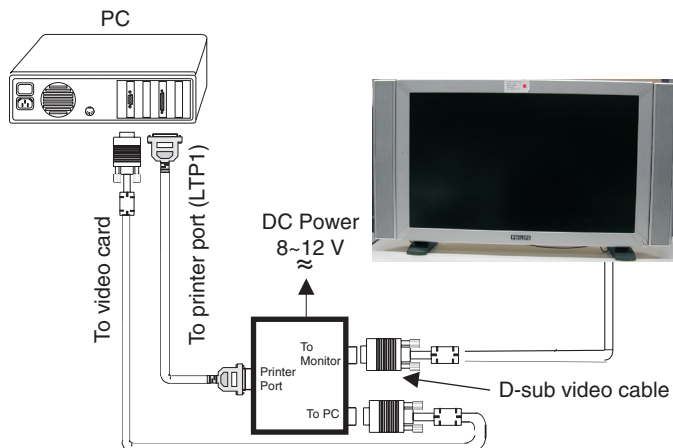


Fig. 2

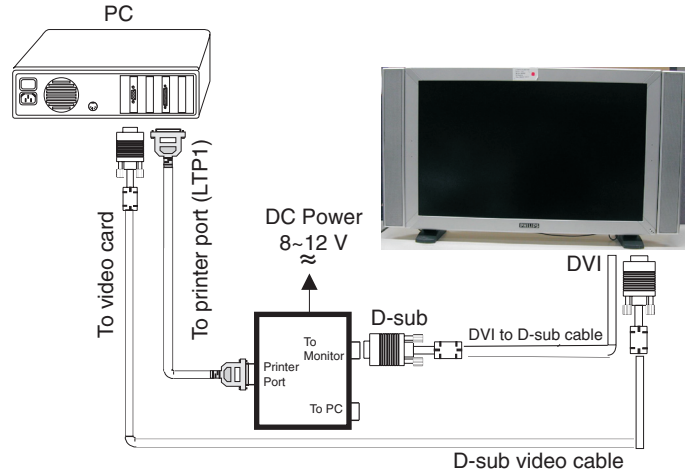



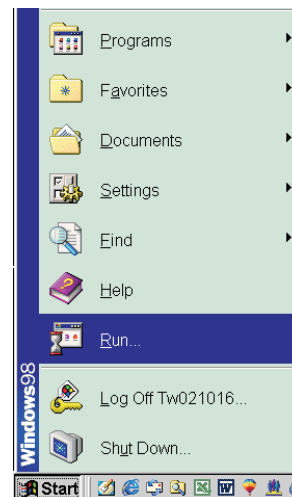
Fig. 3

## 2. DDC re-programming instructions

### Start on DDC program

Start Microsoft Windows.

1. Insert the disk containing EDID301.EXE program into floppy disk drive.
2. Click  , choose Run at start menu of Windows 95/98.



3. At the submenu, type the letter of your computer's floppy disk drive followed by :EDID301 (for example, A:\EDID301.exe,) as shown in Fig. 4.

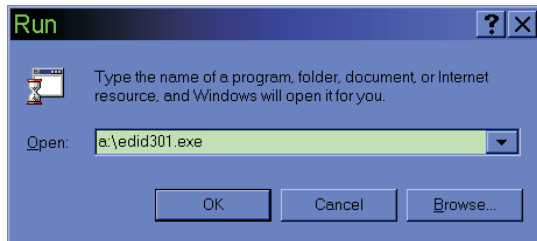


Fig. 4

4. Click button. The main menu appears (as shown on Fig. 5).

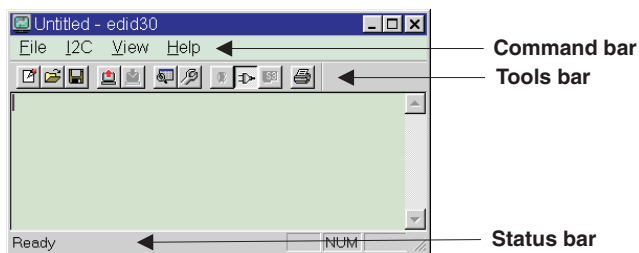


Fig. 5

Note:

If the connection is improper, you will see the following error message before entering the main menu. Meanwhile, the (read EDID) function will be disabled. At this time, please make sure all cables are connected correctly and fixedly, and the



#### Loading DDC data from monitor

1. Click icon on the tools bar to bring up the Configuration Setup windows as Fig.6
2. Select the DDC2B as the communication channel.
3. Enable Factory memory data write function and fill in page address F0 to the block.
4. Disable Software DDC function.
5. Click button to confirm your selection.

Note: The Factory memory data write function will allow EDID30 to rewrite serial numbers both Analog DDC IC and main EEPROM to make sure both S/N are exactly the same. You may confirm the function by checking the S/N at Product information of the OSD menu after restarting the monitor.

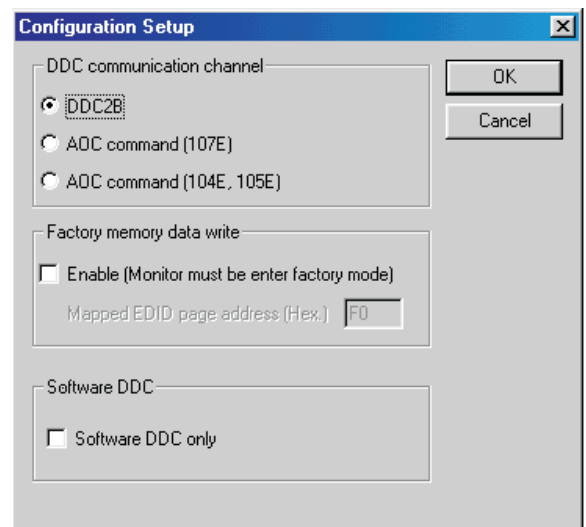


Fig. 6

6. Click icon to read DDC EDID data from monitor. The EDID codes will display on screen as following. (The EDID codes are depend on the model.) Meanwhile, The status bar will indicate 00% to 100% when reading.

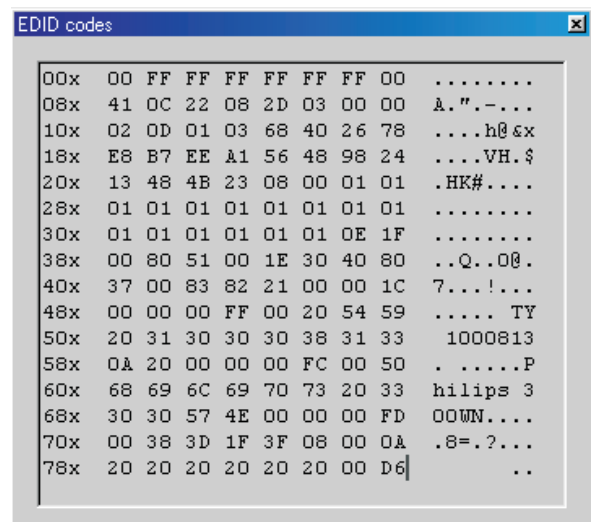


Fig. 7

# DDC Instructions

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Note:

During the loading, EDID30 will verify the EDID data which just loaded from monitor before proceed any further function, once the data structure of EDID can not be recognized, the following error message will appear on the screen (Fig. 8). Please confirm following steps to avoid this message.

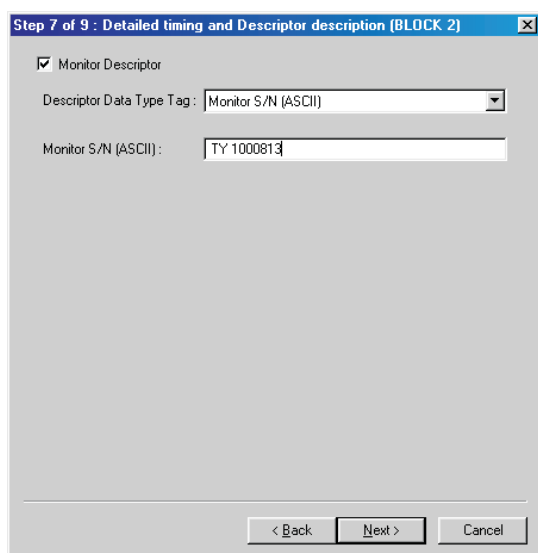
1. The data structure of EDID was incorrect.
2. DDC IC that you are trying to load data is empty.
3. Wrong communication channel has set at configuration setup Windows.
4. Cables loosed or poor contact of connection.



Fig. 8

## Modify DDC data (Serial No.)

1. Click icon on the tool bar.
2. Click till the Step 7 of 9 window appears.
3. Type the new Serial No. (for example, TY 1000813).
4. Click till the last step window appears, then click to exit the Step window.



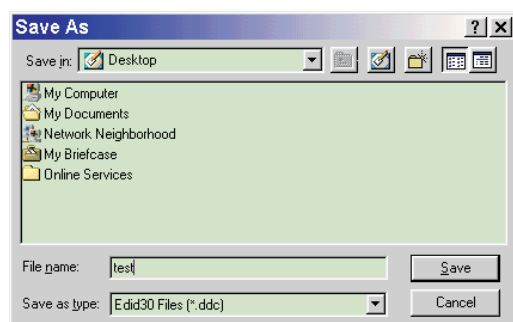
## Write DDC data to monitor

1. Click icon from the tools bar to starting rewrite DDC data.
2. Click for confirmation.

## Save DDC data as a file

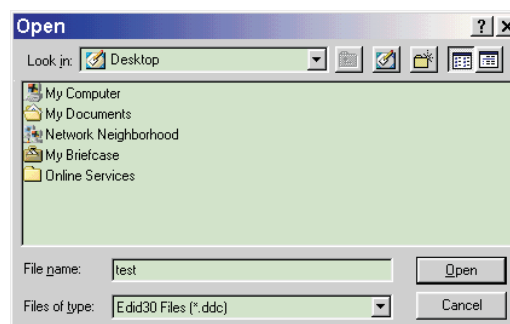
Sometimes, you maybe need to save DDC data as a text file for using on other DDC chip. To save DDC data, follow the steps below:

1. Click icon on the tools bar and type a file name you like. The file format is ddc type which can be open by Microsoft WordPad.
2. Click button.



## Load DDC data from file

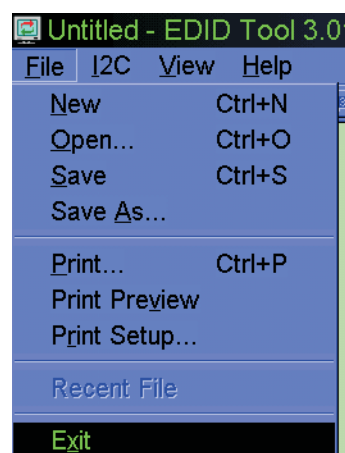
1. Click from the tools bar.
2. Select the file you want to open.
3. Click Button.



4. Now you can re-programming DDC data which you just loaded from a file, please be confirmed that model and serial number are correct and match with the monitor you are trying to re-write.

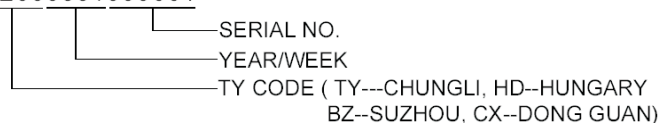
## Exit DDC program

1. Click file command on the command bar then select Exit.



Definition of Serial Number:

BZ000351000001



\*\*\*\*\*  
Analog EDID log file  
\*\*\*\*\*

## Vendor/Product Identification

ID Manufacturer Name : PHL  
ID Product Code : 0822 (HEX.)  
ID Serial Number : 1E240 (HEX.)  
Week of Manufacture : 48  
Year of Manufacture : 2003

## EDID Version, Revision

Version : 1  
Revision : 3

## Basic Display Parameters/Features

Video Input Definition : Analog Video Input  
0.700V/0.000V (0.70Vpp)  
without Blank-to-Black Setup  
Separate Sync  
without Composite Sync  
without Sync on Green  
no Serration required

Maximum H Image Size : 64  
Maximum V Image Size : 38  
Display Transfer Characteristic : 2.2 (gamma)  
Feature Support (DPMS) : Standby

Suspend  
Active Off

Display Type : RGB color display

## Color Characteristics

Red X coordinate : 0.631  
Red Y coordinate : 0.339  
Green X coordinate : 0.282  
Green Y coordinate : 0.597  
Blue X coordinate : 0.144  
Blue Y coordinate : 0.076  
White X coordinate : 0.284  
White Y coordinate : 0.295

## Established Timings

Established Timings I : 640 x 480 @60Hz (IBM,VGA)  
800 x 600 @56Hz (VESA)  
800 x 600 @60Hz (VESA)

Established Timings II : 1024 x 768 @60Hz (VESA)

Manufacturer's timings :

Standard Timing Identification : Unused

## Detailed Timing #1

Pixel Clock (MHz) : 79.5  
H Active (pixels) : 1280  
H Blanking (pixels) : 384  
V Active (lines) : 768  
V Blanking (lines) : 30  
H Sync Offset (F Porch) (pixels) : 64  
H Sync Pulse Width (pixels) : 128  
V Sync Offset (F Porch) (lines) : 3  
V Sync Pulse Width (lines) : 7  
H Image Size (mm) : 643  
V Image Size (mm) : 386  
H Border (pixels) : 0  
V Border (lines) : 0

Flags : Non-interlaced  
: Normal Display, No stereo  
: Digital Separate sync.  
: Positive Vertical Sync.  
: Negative Horizontal Sync.

## Monitor Descriptor #2

Serial Number : TY 123456

## Monitor Descriptor #3

Monitor Name : Philips 300WN

## Monitor Descriptor #4

## Monitor Range Limits

Min. Vt rate Hz : 56

Max. Vt rate Hz : 61

Min. Horiz. rate kHz : 31

Max. Horiz. rate kHz : 63

Max. Supported Pixel : 80

No secondary GTF timing formula supported.

Extension Flag : 0

Check sum : BD (HEX.)

## EDID data (128 bytes)

\*\*\*\*\*  
0: 00 1: ff 2: ff 3: ff 4: ff 5: ff 6: ff 7: 00  
8: 41 9: 0c 10: 22 11: 08 12: 40 13: e2 14: 01 15: 00  
16: 30 17: 0d 18: 01 19: 03 20: 68 21: 40 22: 26 23: 78  
24: e8 25: b7 26: ee 27: a1 28: 56 29: 48 30: 98 31: 24  
32: 13 33: 48 34: 4b 35: 23 36: 08 37: 00 38: 01 39: 01  
40: 01 41: 01 42: 01 43: 01 44: 01 45: 01 46: 01 47: 01  
48: 01 49: 01 50: 01 51: 01 52: 01 53: 01 54: 0e 55: 1f  
56: 00 57: 80 58: 51 59: 00 60: 1e 61: 30 62: 40 63: 80  
64: 37 65: 00 66: 83 67: 82 68: 21 69: 00 70: 00 71: 1c  
72: 00 73: 00 74: 00 75: ff 76: 00 77: 20 78: 54 79: 59  
80: 20 81: 31 82: 32 83: 33 84: 34 85: 35 86: 36 87: 0a  
88: 20 89: 20 90: 00 91: 00 92: 00 93: fc 94: 00 95: 50  
96: 68 97: 69 98: 6c 99: 69 100: 70 101: 73 102: 20 103: 33  
104: 30 105: 30 106: 57 107: 4e 108: 00 109: 00 110: 00 111: fd  
112: 00 113: 38 114: 3d 115: 1f 116: 3f 117: 08 118: 00 119: 0a  
120: 20 121: 20 122: 20 123: 20 124: 20 125: 20 126: 00 127: bd  
\*\*\*\*\*

## DDC Data

◀◀ Go to cover page

\*\*\*\*\*

## Digital EDID log file

\*\*\*\*\*

## Vendor/Product Identification

ID Manufacturer Name : PHL  
ID Product Code : 0822 (HEX.)  
ID Serial Number : 1E240 (HEX.)  
Week of Manufacture : 48  
Year of Manufacture : 2003

## EDID Version, Revision

Version : 1  
Revision : 3

## Basic Display Parameters/Features

Video Input Definition : Digital Video Input  
Compatible with VESA  
DFP 1.x  
Maximum H Image Size : 64  
Maximum V Image Size : 38  
Display Transfer Characteristic : 2.2 (gamma)  
Feature Support (DPMS) : Standby  
Suspend  
Active Off  
Display Type : RGB color display

## Color Characteristics

Red X coordinate : 0.631  
Red Y coordinate : 0.339  
Green X coordinate : 0.282  
Green Y coordinate : 0.597  
Blue X coordinate : 0.144  
Blue Y coordinate : 0.076  
White X coordinate : 0.284  
White Y coordinate : 0.295

## Established Timings

Established Timings I : 640 x 480 @ 60Hz (IBM,VGA)  
800 x 600 @ 56Hz (VESA)  
800 x 600 @ 60Hz (VESA)

Established Timings II : 1024 x 768 @ 60Hz (VESA)

Manufacturer's timings :

## Standard Timing Identification : Unused

## Detailed Timing #1

Pixel Clock (MHz) : 79.5  
H Active (pixels) : 1280  
H Blanking (pixels) : 384  
V Active (lines) : 768  
V Blanking (lines) : 30  
H Sync Offset (F Porch) (pixels) : 64  
H Sync Pulse Width (pixels) : 128  
V Sync Offset (F Porch) (lines) : 3  
V Sync Pulse Width (lines) : 7  
H Image Size (mm) : 643  
V Image Size (mm) : 386  
H Border (pixels) : 0  
V Border (lines) : 0  
Flags : Non-interlaced  
: Normal Display, No stereo  
: Digital Separate sync.  
: Positive Vertical Sync.  
: Negative Horizontal Sync.

## Monitor Descriptor #2

Serial Number : TY 123456

## Monitor Descriptor #3

Monitor Name : Philips 300WN

## Monitor Descriptor #4

## Monitor Range Limits

Min. Vt rate Hz : 56

Max. Vt rate Hz : 61

Min. Horiz. rate kHz : 31

Max. Horiz. rate kHz : 63

Max. Supported Pixel : 80

No secondary GTF timing formula supported.

Extension Flag : 0

Check sum : BD (HEX.)

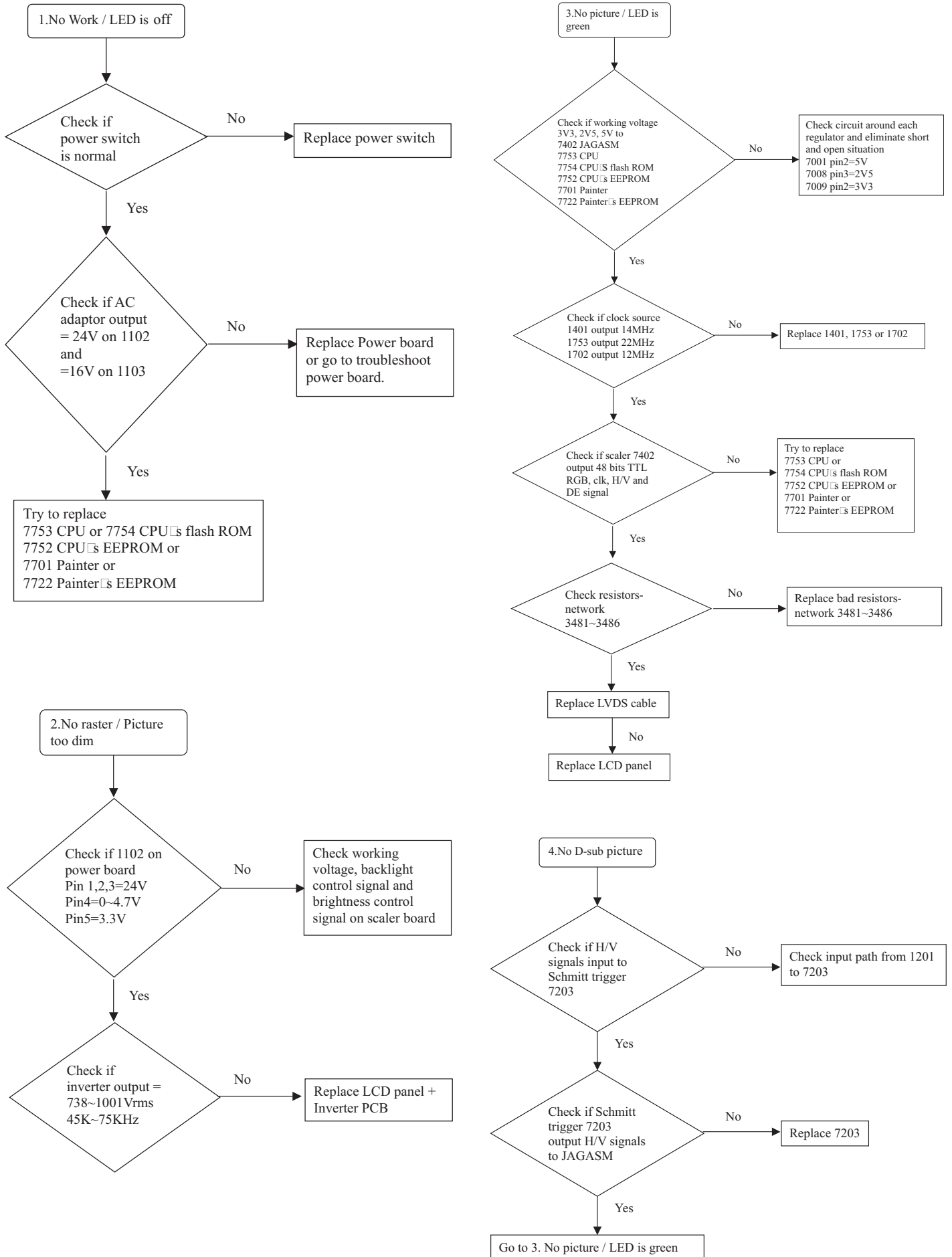
\*\*\*\*\*

## EDID data (128 bytes)

\*\*\*\*\*

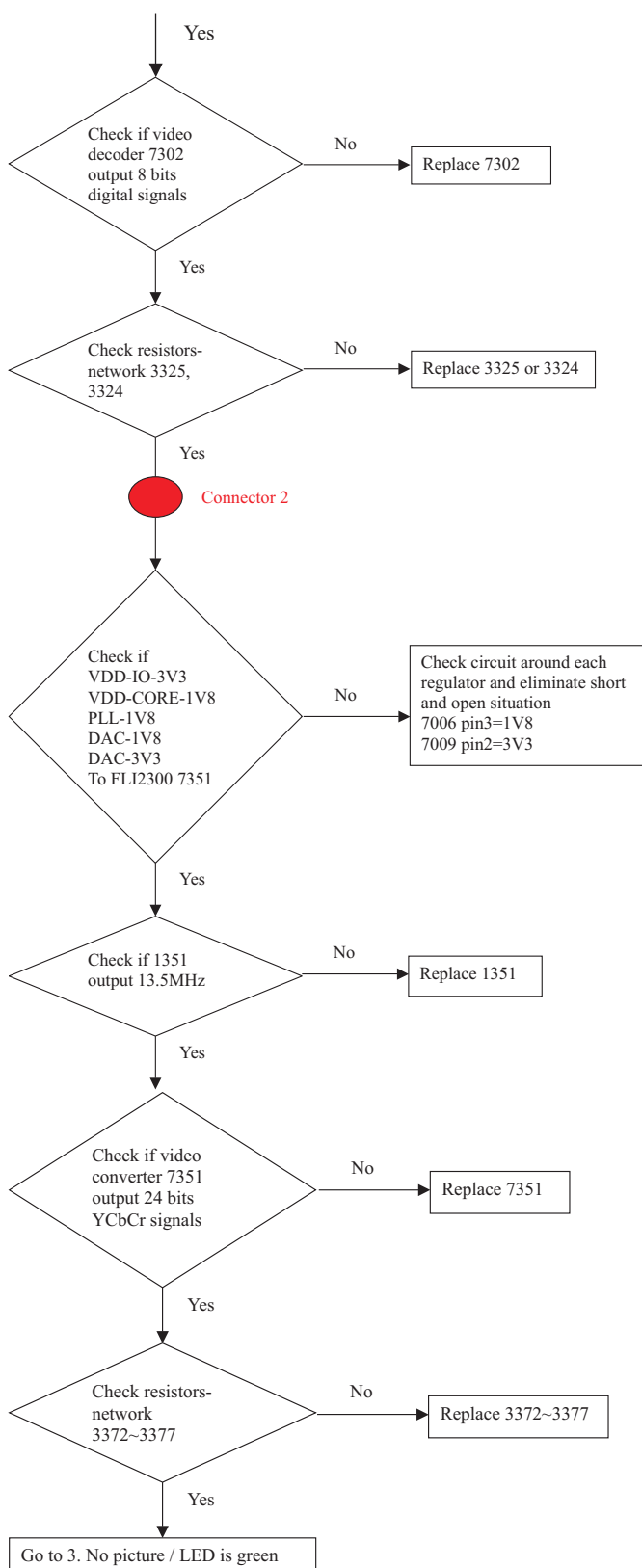
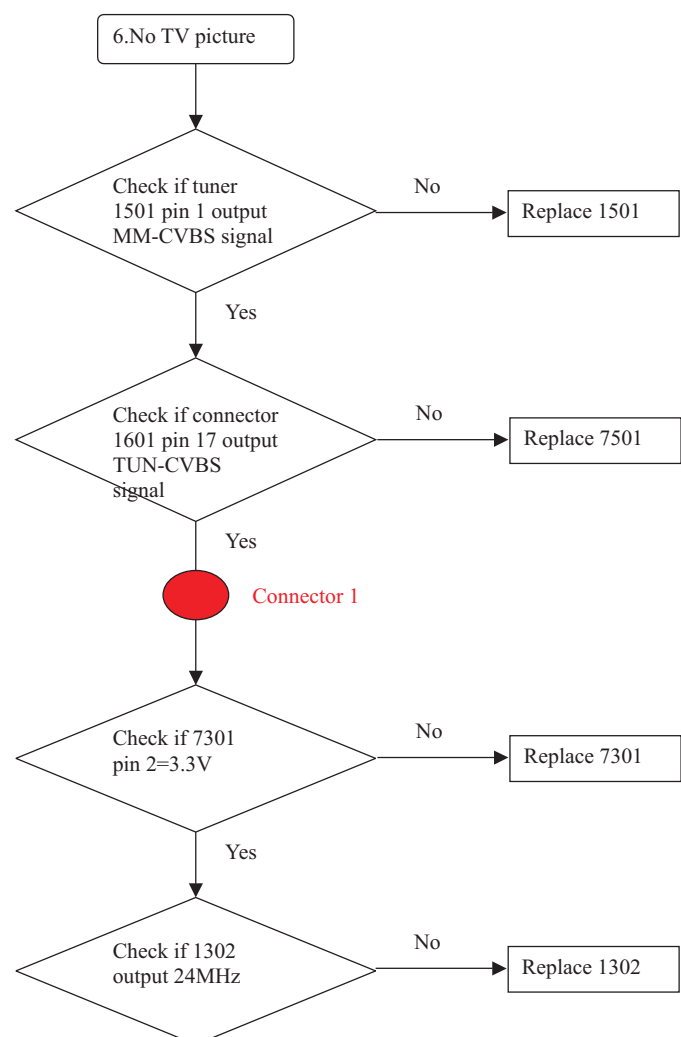
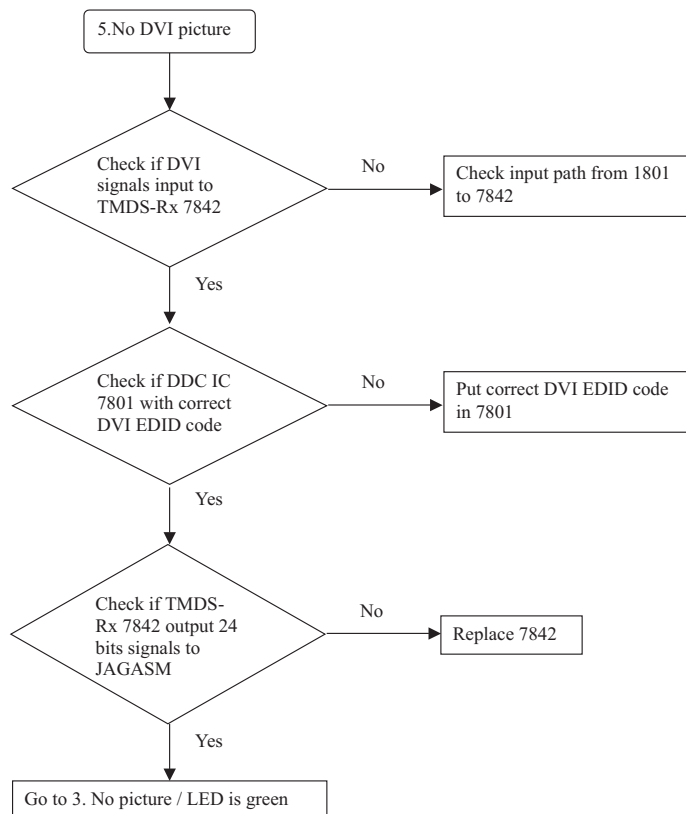
|         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 0: 00   | 1: ff   | 2: ff   | 3: ff   | 4: ff   | 5: ff   | 6: ff   | 7: 00   |
| 8: 41   | 9: 0c   | 10: 22  | 11: 08  | 12: 40  | 13: e2  | 14: 01  | 15: 00  |
| 16: 30  | 17: 0d  | 18: 01  | 19: 03  | 20: 81  | 21: 40  | 22: 26  | 23: 78  |
| 24: e8  | 25: b7  | 26: ee  | 27: a1  | 28: 56  | 29: 48  | 30: 98  | 31: 24  |
| 32: 13  | 33: 48  | 34: 4b  | 35: 23  | 36: 08  | 37: 00  | 38: 01  | 39: 01  |
| 40: 01  | 41: 01  | 42: 01  | 43: 01  | 44: 01  | 45: 01  | 46: 01  | 47: 01  |
| 48: 01  | 49: 01  | 50: 01  | 51: 01  | 52: 01  | 53: 01  | 54: 0e  | 55: 1f  |
| 56: 00  | 57: 80  | 58: 51  | 59: 00  | 60: 1e  | 61: 30  | 62: 40  | 63: 80  |
| 64: 37  | 65: 00  | 66: 83  | 67: 82  | 68: 21  | 69: 00  | 70: 00  | 71: 1c  |
| 72: 00  | 73: 00  | 74: 00  | 75: ff  | 76: 00  | 77: 20  | 78: 54  | 79: 59  |
| 80: 20  | 81: 31  | 82: 32  | 83: 33  | 84: 34  | 85: 35  | 86: 36  | 87: 0a  |
| 88: 20  | 89: 20  | 90: 00  | 91: 00  | 92: 00  | 93: fc  | 94: 00  | 95: 50  |
| 96: 68  | 97: 69  | 98: 6c  | 99: 69  | 100: 70 | 101: 73 | 102: 20 | 103: 33 |
| 104: 30 | 105: 30 | 106: 57 | 107: 4e | 108: 00 | 109: 00 | 110: 00 | 111: fd |
| 112: 00 | 113: 38 | 114: 3d | 115: 1f | 116: 3f | 117: 08 | 118: 00 | 119: 0a |
| 120: 20 | 121: 20 | 122: 20 | 123: 20 | 124: 20 | 125: 20 | 126: 00 | 127: a4 |



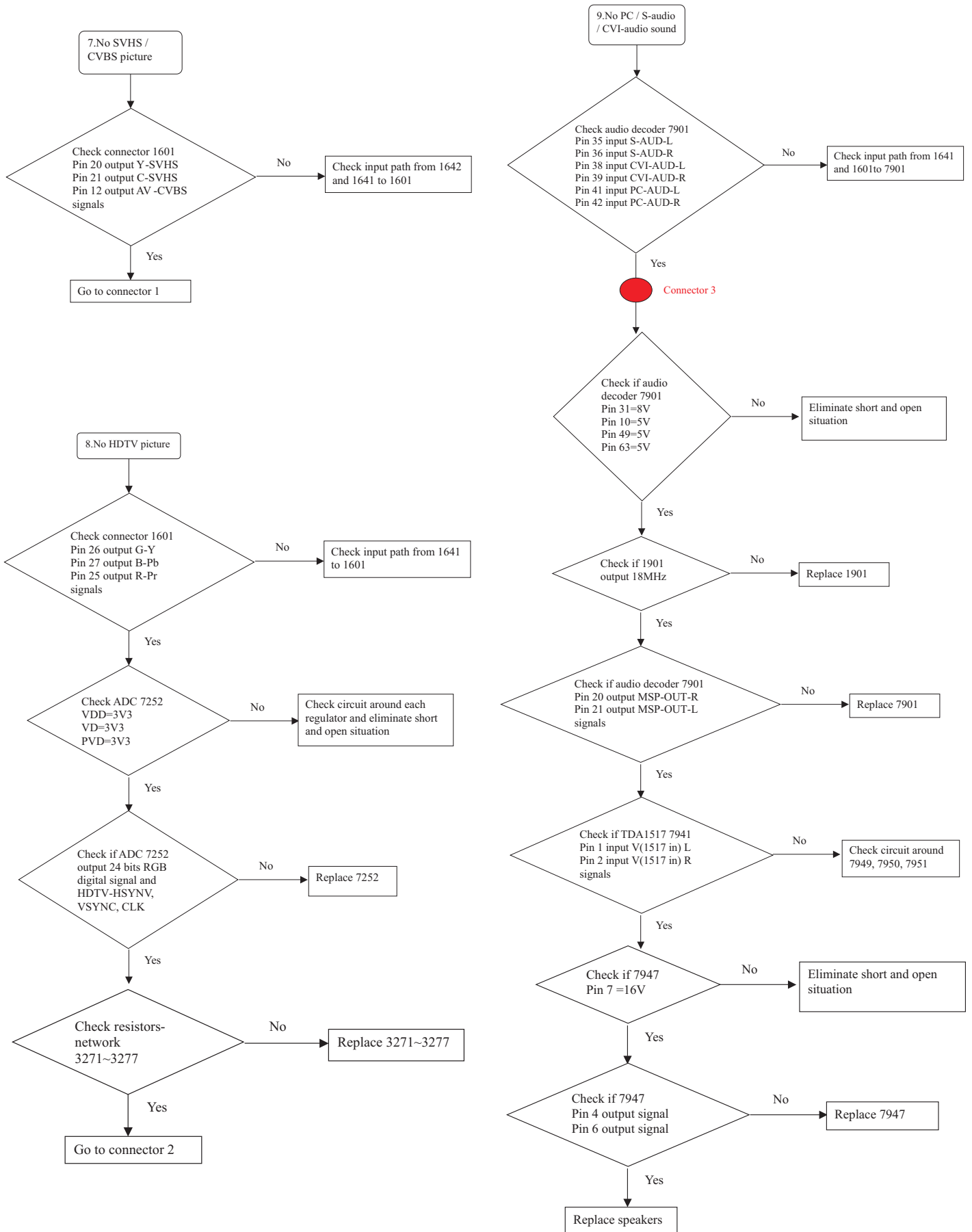


## Repair Flow Chart

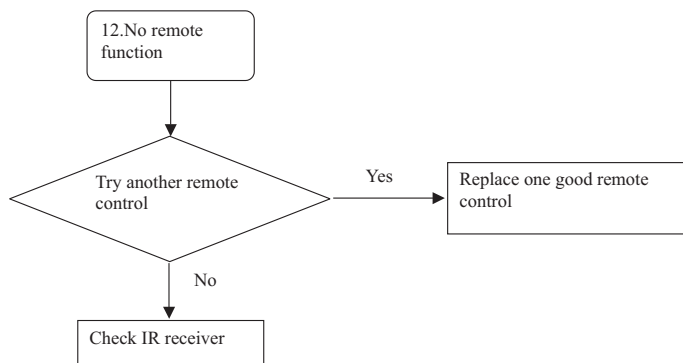
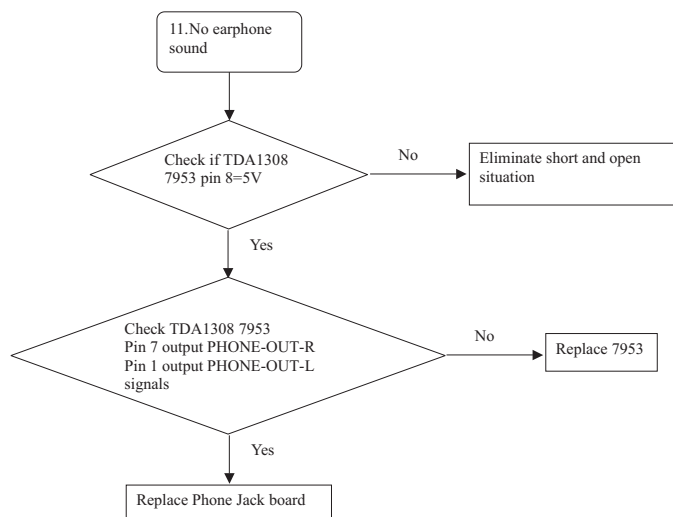
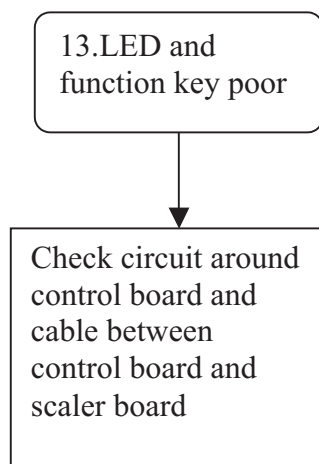
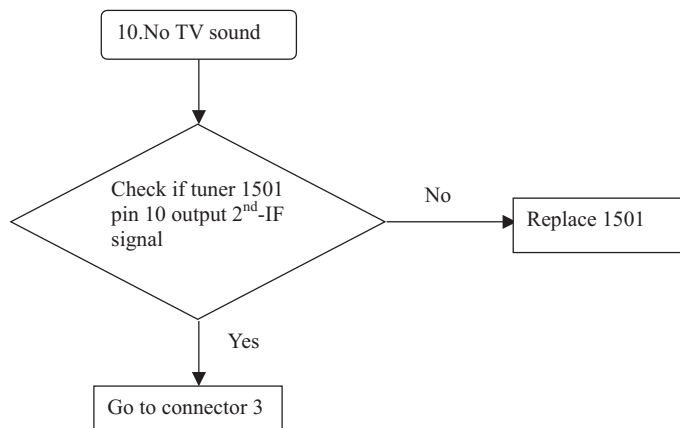
Go to cover page



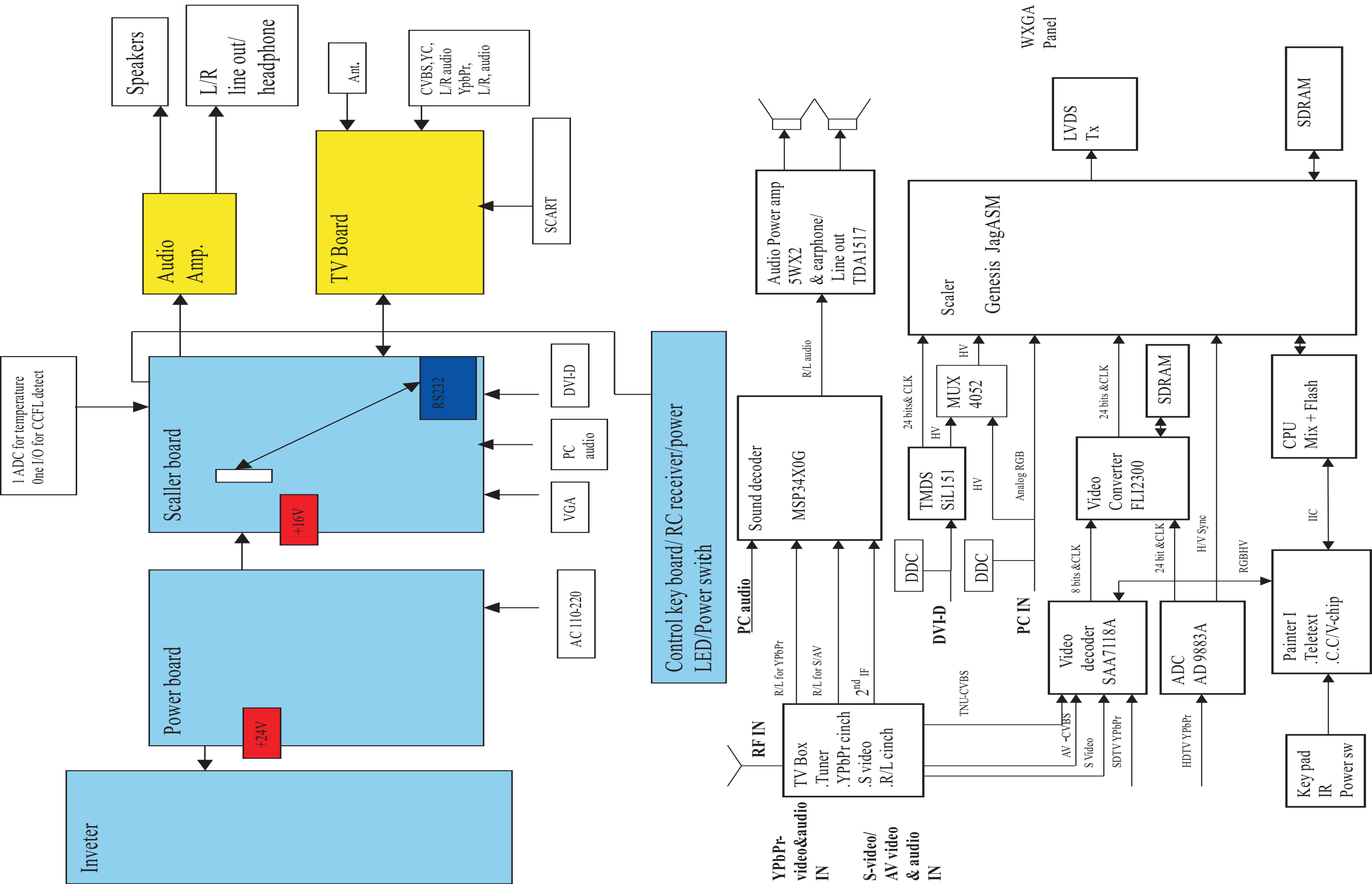




## Repair Flow Chart

 Go to cover page

Function Block Diagram



[Go to cover page](#)



|                             |        |                          |   |               |         |   |       |
|-----------------------------|--------|--------------------------|---|---------------|---------|---|-------|
| CHN                         | TYT12- | SETNAME                  | LMT-2 ( 30° )                               |               |         |   |       |
| CLASS_NO                    |        | POWER<br><br>300WN5BB/00 |   | 3138 158 5914 |         | 1 | ----- |
|                             |        |                          |   |               |         |   |       |
|                             |        |                          |   |               |         |   |       |
|                             |        |                          |   |               |         |   |       |
| 2003-12-19                  |        | 3                        |   |               |         |   |       |
| NAME Chuang Kevin/Debby Tai |        | SUPERS.                  |   | 14            | 130 - 1 |   | A3    |
|                             | CHECK  | DATE 2003-12-19          | © KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 |               |         |   |       |

I/O & Interface Diagram

300WN5

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J

|  |  |
|--|--|
|  |  |
|  |  |

1 2 3 4 5 6 7 8 9 10 11 12 13

1 2 3 4 5 6 7 8

A A

C B

B

D

C

E

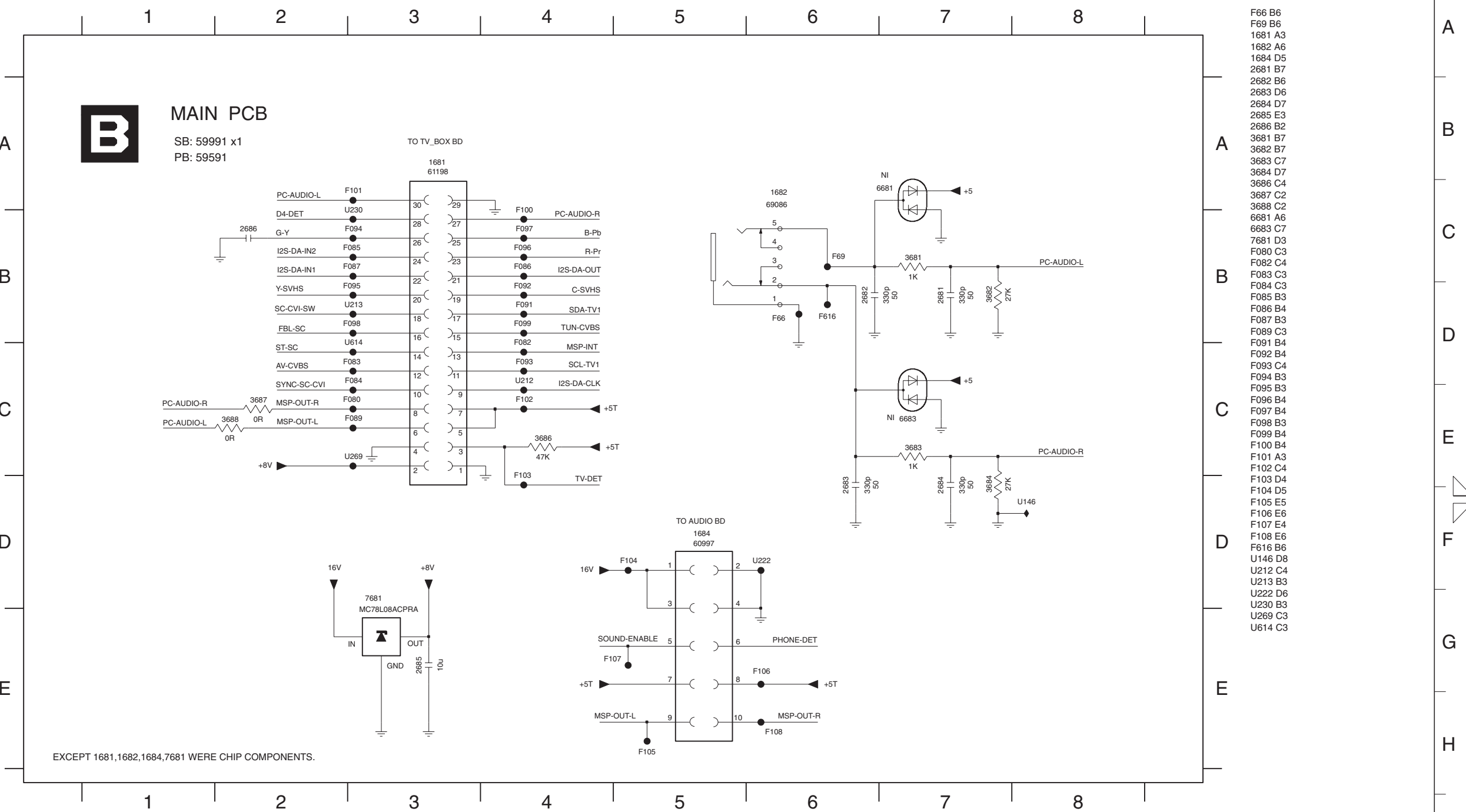
F D

G

H

1 2 3 4 5 6 7 8

(5) "681" ~ "699"



## Video Decoder Diagram

[Go to cover page](#)

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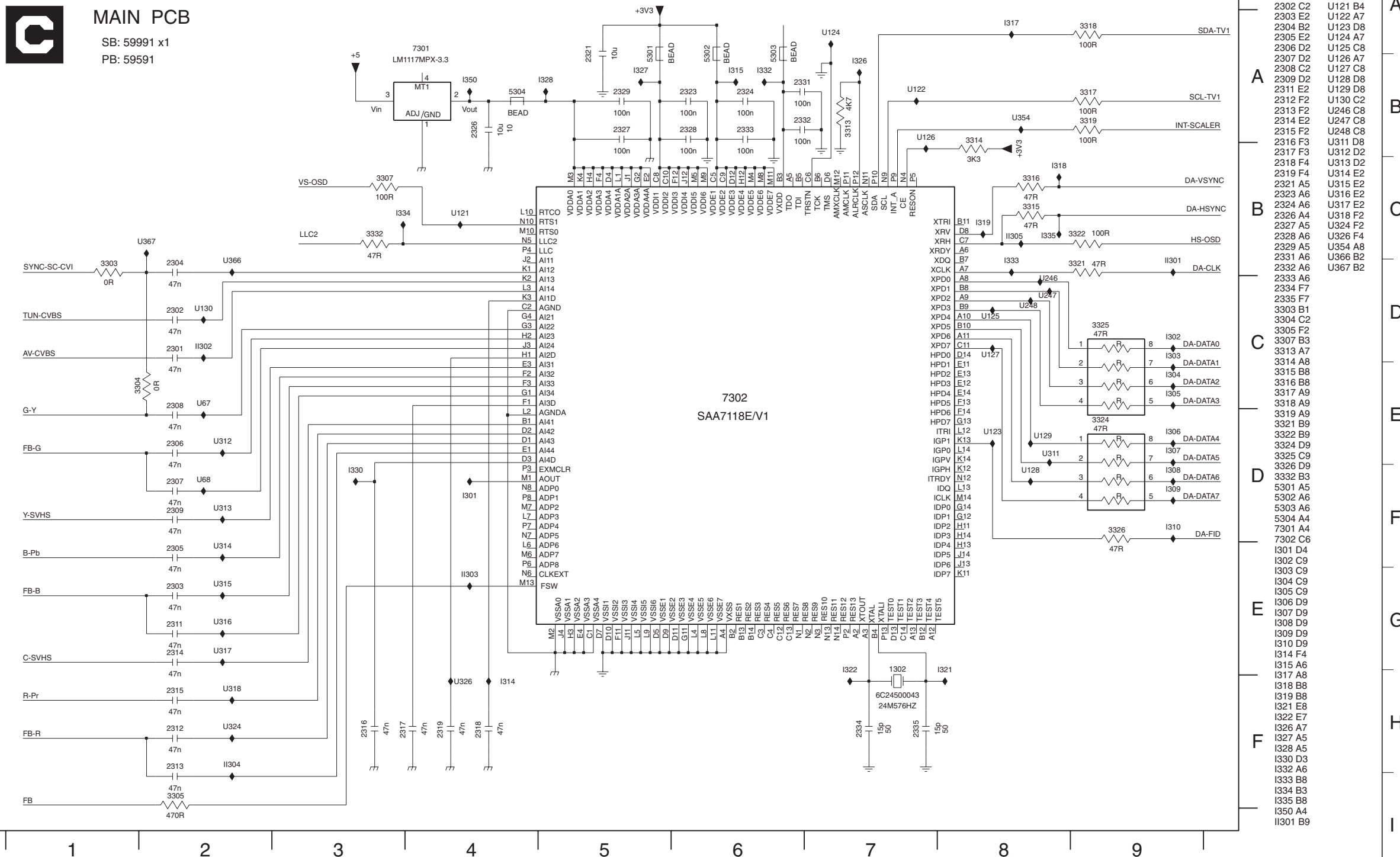
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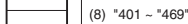


J



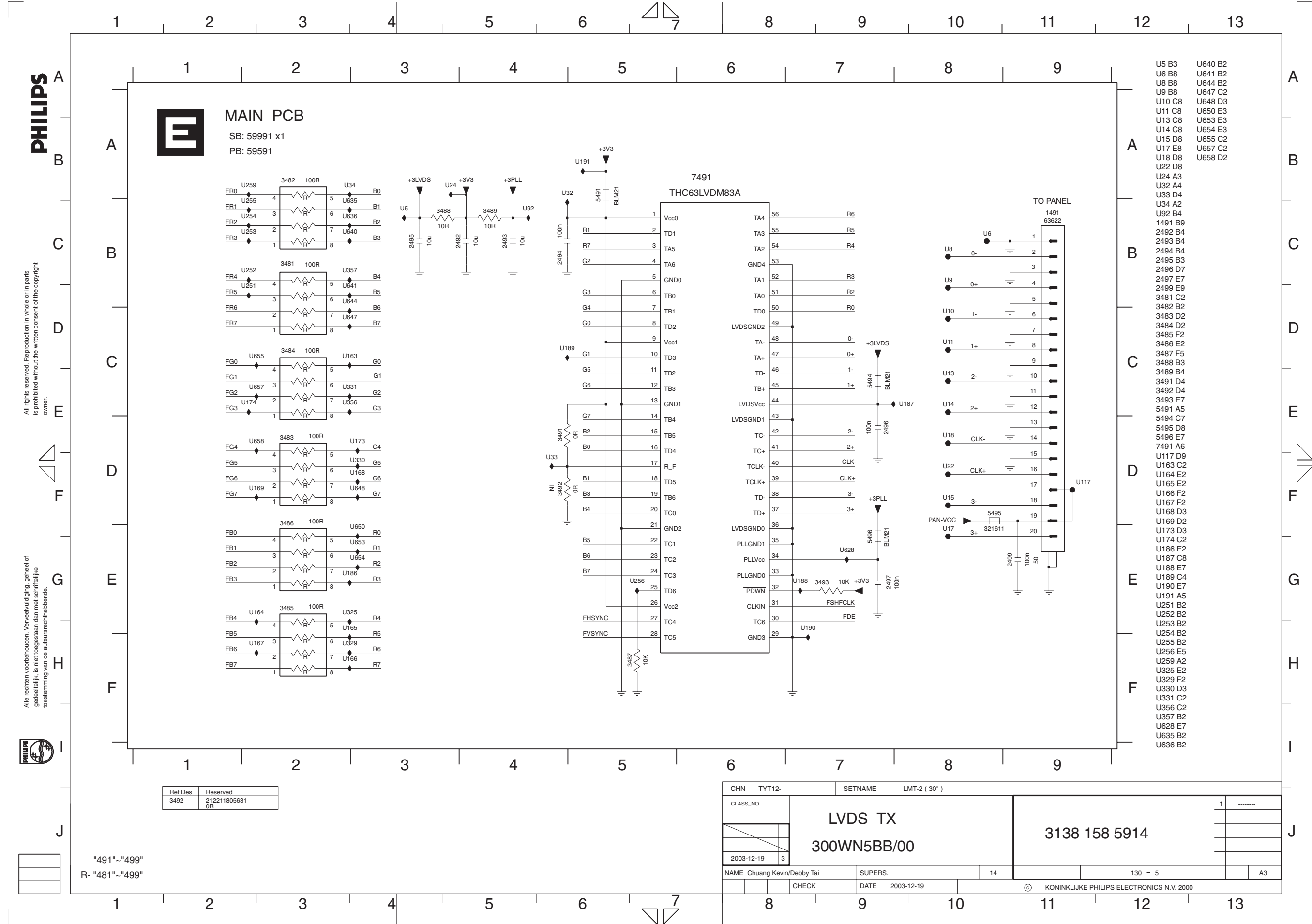
## MAIN PCB

SB: 59991 x1  
PB: 59591





LVDS Tx Diagram





SDRAM Diagram

300WN5

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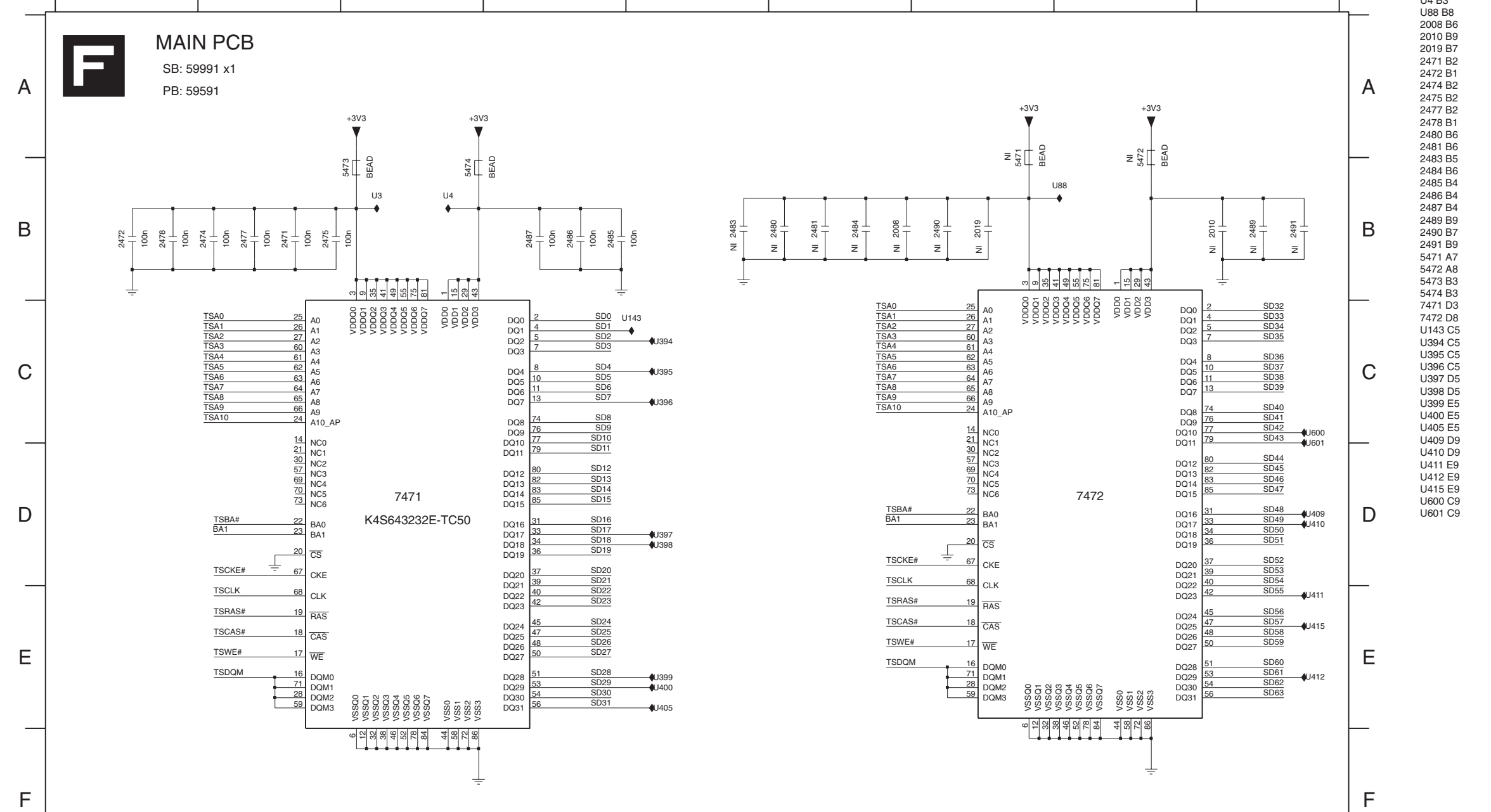
J

|  |  |
|--|--|
|  |  |
|  |  |

(9) "471" ~ "475"  
C "471" ~ "495"

| Ref Des | Reserved     |
|---------|--------------|
| 2008    | 223878615649 |
| 2010    | 223878615649 |
| 2019    | 223878615649 |
| 2480    | 223878615649 |
| 2481    | 223878615649 |
| 2483    | 223878615649 |
| 2484    | 223878615649 |
| 2489    | 223878615649 |
| 2490    | 223878615649 |
| 2491    | 223878615649 |
| 5471    | 313816874261 |
| 5472    | 313816874261 |
| 7472    | 932217603668 |

1 2 3 4 5 6 7 8 9 10 11 12 13

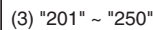


1 2 3 4 5 6 7 8 9 10 11 12 13


|                             |   |               |
|-----------------------------|---|---------------|
| CHN TYT12-                  | SETNAME LMT-2 ( 30° )                       |               |
| CLASS_NO                    | SDRAM                                       | 1             |
|                             | 300WN5BB/00                                 | 3138 158 5914 |
| 2003-12-19 3                |   |               |
| NAME Chuang Kevin/Debby Tai | SUPERS.                                     | 14            |
| CHECK                       | DATE 2003-12-19                             | 130 - 6       |
|                             | © KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 | A3            |

1 2 3 4 5 6 7 8 9 10 11 12 13

[Go to cover page](#)



| Ref Des | Reserved     |
|---------|--------------|
| 2209    | 222224119876 |
| 2221    | 223878615649 |
| 3201    | 319802134720 |
| 3202    | 319802134730 |
| 7201    | 933714830653 |

|                             |        |                                   |  |               |         |  |    |
|-----------------------------|--------|-----------------------------------|--|---------------|---------|--|----|
| CHN                         | TYT12- | SETNAME                           | LMT-2 ( 30' )  |               |         |  |    |
| CLASS_NO                    |        | PC - ANALOG IN<br><br>300WN5BB/00 |  | 3138 158 5914 |         |  |    |
|                             |        |                                   |  |               |         |  |    |
|                             |        |                                   |  |               |         |  |    |
| 2003-12-19 3                |        |                                   |  |               |         |  |    |
| NAME Chuang Kevin/Debby Tai |        | SUPERS.                           |  | 14            | 130 - 7 |  | A3 |
|                             | CHECK  | DATE 2003-12-19                   |  KONINKI LIKE PHILIPS ELECTRONICS N.V. 2000 |               |         |  |    |

## Scaler\_Up Diagram

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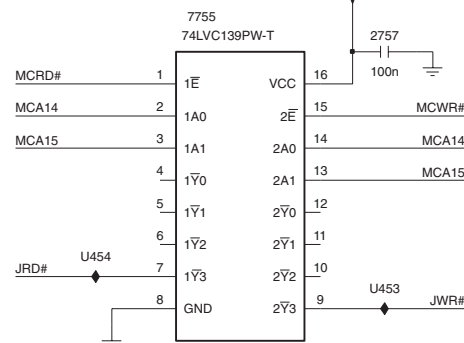
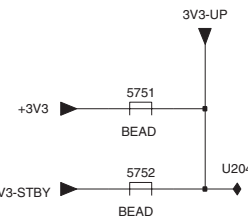
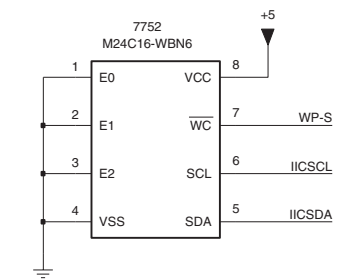
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MAIN PCB

SB: 59991 x1

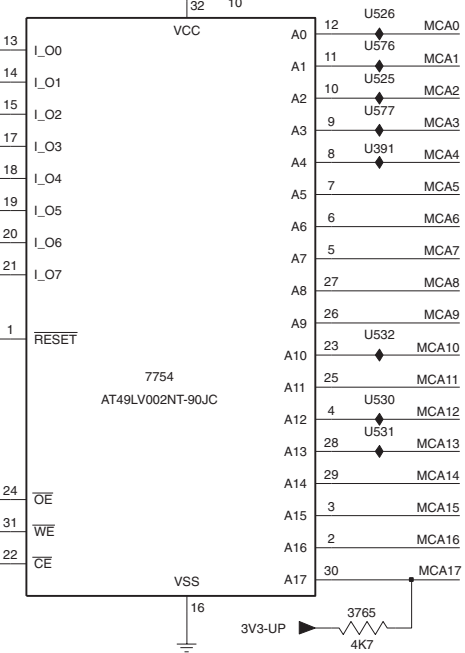
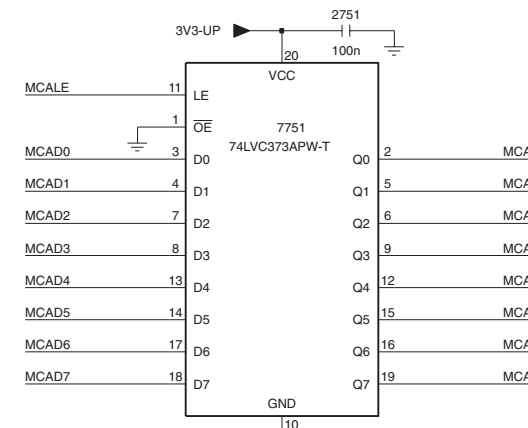
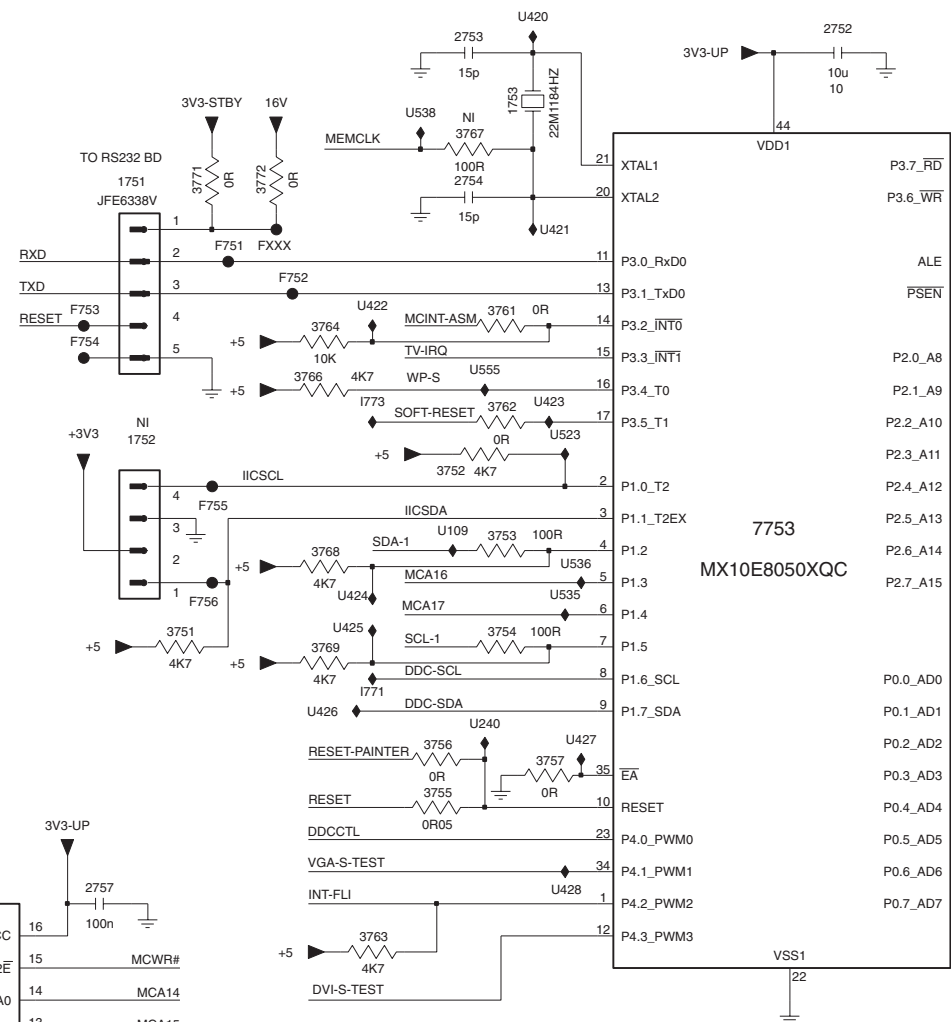
PB: 59591



EXCEPT 1751,1752,7752 WERE CHIP COMPONENTS.

| Ref  | Des | Reserved             |
|------|-----|----------------------|
| 1752 |     | 313816872041         |
| 3755 |     | 319802190030<br>DR05 |
| 3759 |     | 212211805631<br>DR   |
| 3767 |     | 212211805643<br>10DR |
| 3771 |     | 212211805631<br>DR   |
| 5751 |     | 313816874261         |

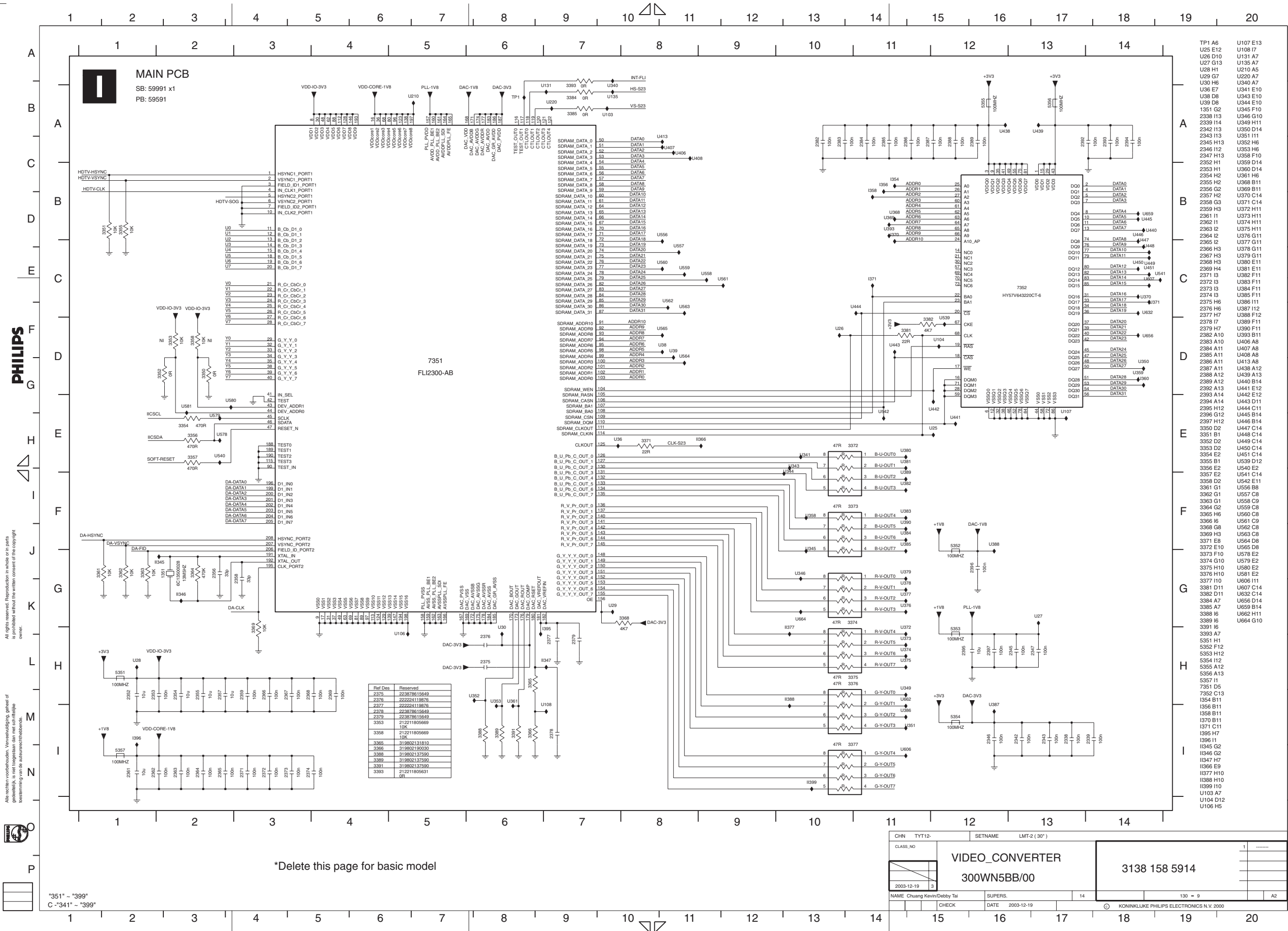
"751" ~ "799"



|         |         |
|---------|---------|
| U71 C8  | U529 D7 |
| 1751 B3 | U530 E9 |
| 1752 C3 | U531 E9 |
| 1753 A4 | U532 E9 |
| 2751 A9 | U533 D7 |
| 2752 A6 | U534 E7 |
| 2753 A4 | U535 C5 |
| 2754 B4 | U536 C5 |
| 2755 C9 | U537 C7 |
| 2757 E3 | U538 A4 |
| 3751 D3 | U543 D7 |
| 3752 C4 | U555 B4 |
| 3753 C4 | U575 C7 |
| 3754 D4 | U576 D9 |
| 3755 D4 | U577 D9 |

F753 B2  
F754 B2  
F755 C3  
F756 C3  
I771 D4  
I773 C4  
U109 C4  
U204 D2  
U240 D4  
U391 D9  
U420 A4  
U421 B5  
U422 B4  
U423 C5  
U424 C4  
U425 D4  
U426 D4  
U427 D5  
U428 E5  
U429 A7  
U430 B7  
U431 B7  
U432 B7  
U453 F3  
U454 F1  
U520 C7  
U521 C7  
U522 D7  
U523 C5  
U524 F7  
U525 D9  
U526 D9  
U527 D7  
U528 D7

|  |  |                              |       |                 |  |  |  |               |         |   |       |
|--|--|------------------------------|-------|-----------------|--|--|--|---------------|---------|---|-------|
| CHN  |  | TYT12-                       |       | SETNAME         |  | LMT-2 ( 30' )                              |  |               |         |   |       |
| CLASS_NO                                     |  | SCALER_UP<br><br>300WN5BB/00 |       |                 |  |  |  | 3138 158 5914 |         | 1 | ----- |
| <div><div></div><div></div><div></div></div> |  |                              |       |                 |  |  |  |               |         |   |       |
| 2003-12-19                                   |  |                              |       |                 |  |  |  | 3             |         |   |       |
|  |  |                              |       |                 |  |  |  |               |         |   |       |
| NAME Chuang Kevin/Debby Tai                  |  |                              |       | SUPERS.         |  | 14   |  |               | 130 - 8 |   | A3    |
|  |  |                              | CHECK | DATE 2003-12-19 |  | © KONINKLUKE PHILIPS ELECTRONICS N.V. 2000 |  |               |         |   |       |



HDTV Decoder Diagram

300WN5

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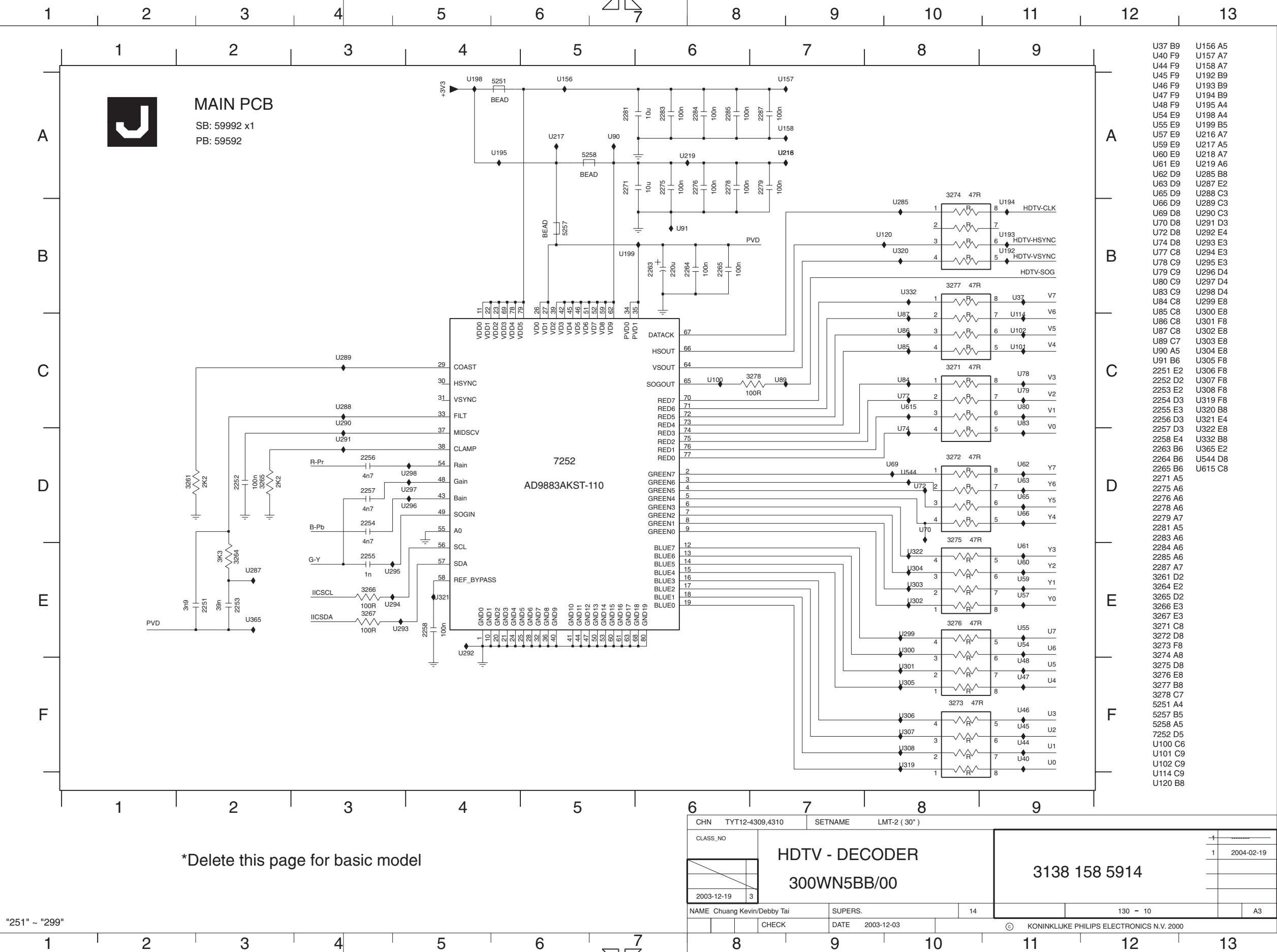
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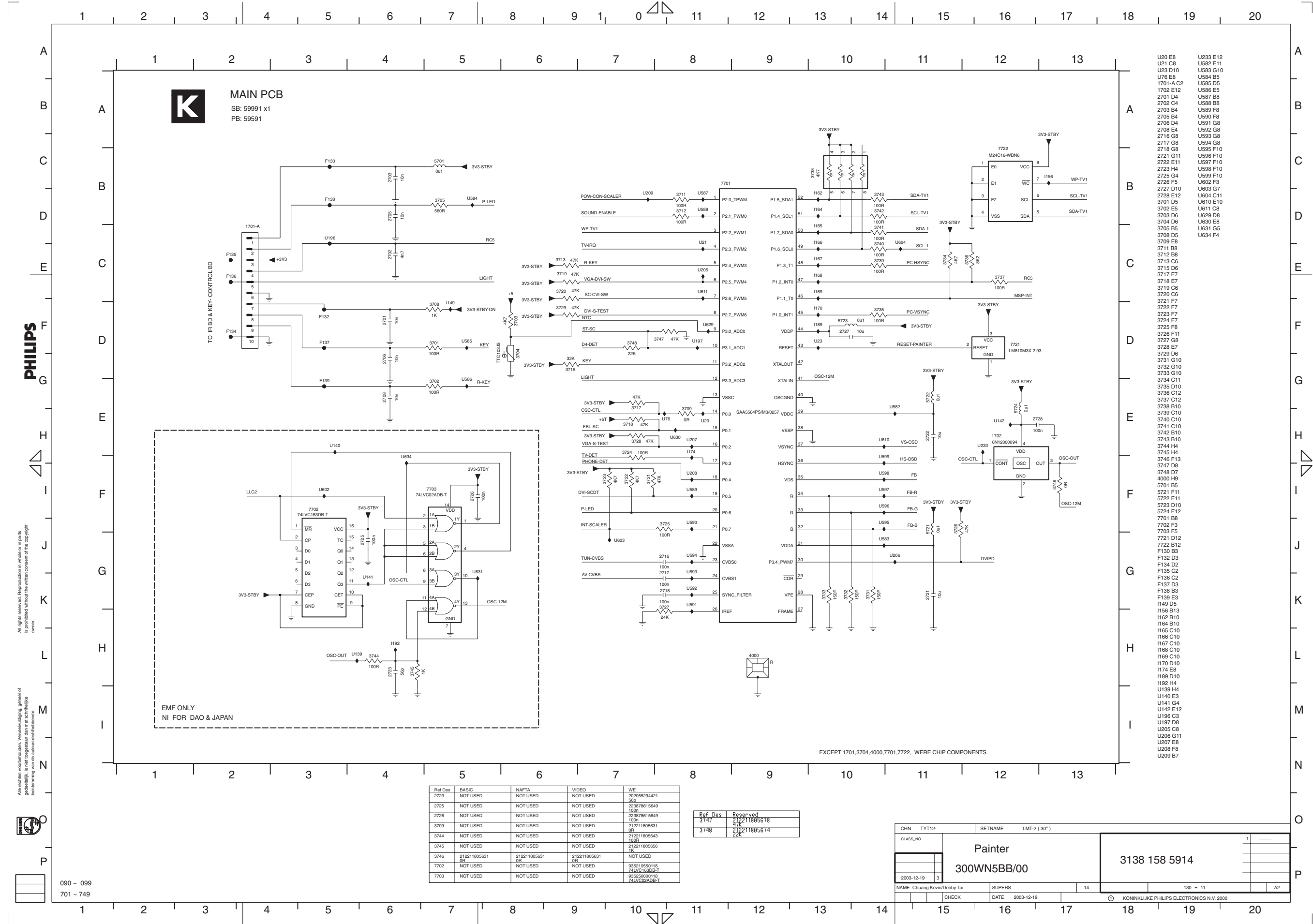


J





Painter Diagram

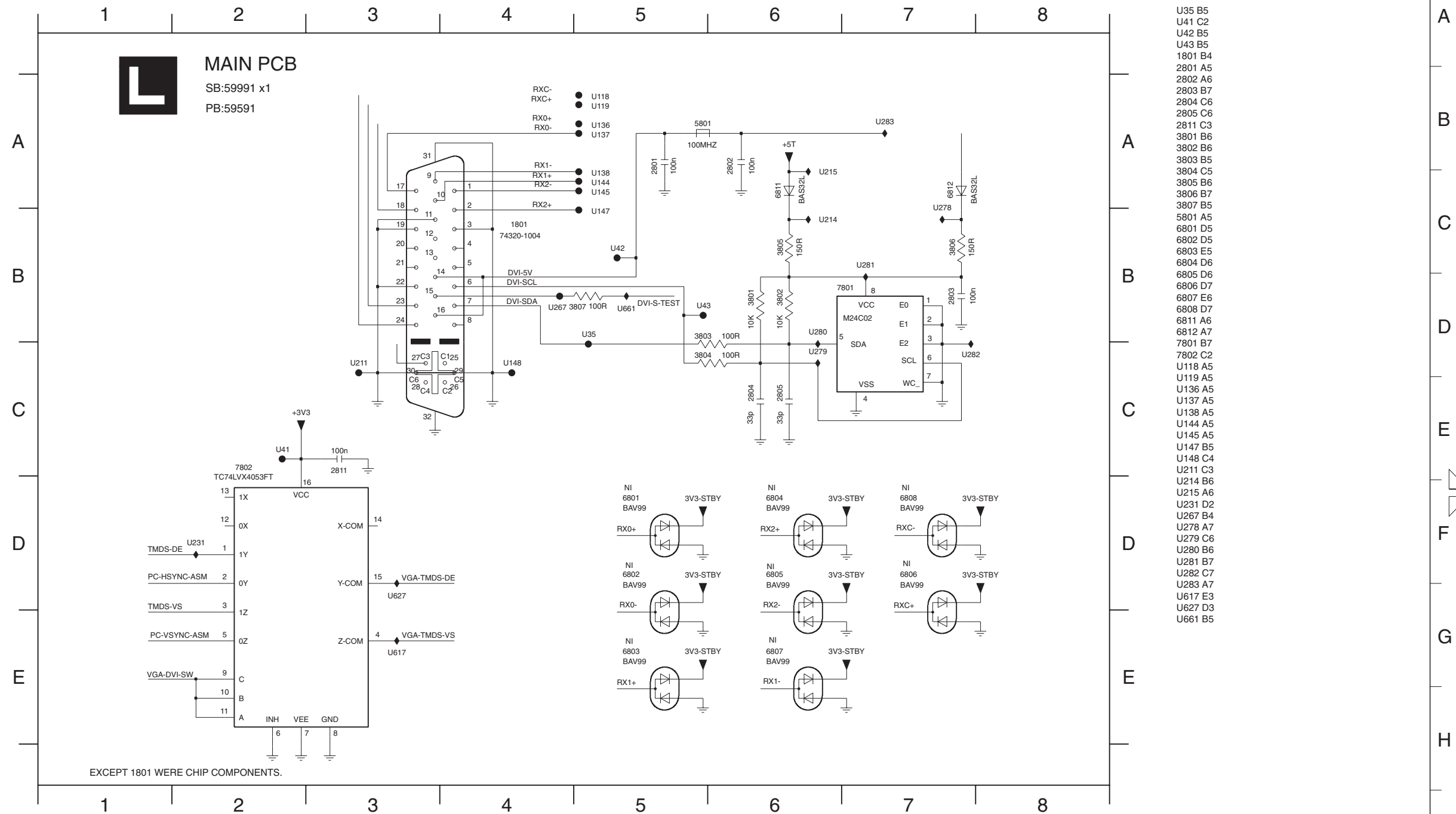


## PC DVI\_Digital Diagram

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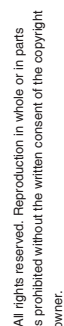
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| Ref Des | Reserved              |
|---------|-----------------------|
| 6801    | 933215370215<br>BAV99 |
| 6802    | 933215370215<br>BAV99 |
| 6803    | 933215370215<br>BAV99 |
| 6804    | 933215370215<br>BAV99 |
| 6805    | 933215370215<br>BAV99 |
| 6806    | 933215370215<br>BAV99 |
| 6807    | 933215370215<br>BAV99 |
| 6808    | 933215370215<br>BAV99 |

|                             |  |                                   |  |         |  |                 |  |               |  |   |  |  |  |    |  |
|-----------------------------|--|-----------------------------------|--|---------|--|-----------------|--|---------------|--|---|--|--|--|----|--|
| CHN                         |  | TYT12-                            |  | SETNAME |  | LMT-2 ( 30" )   |  |               |  |   |  |  |  |    |  |
| CLASS_NO                    |  | PC DVI_Digital<br><br>300WN5BB/00 |  |         |  |                 |  | 1             |  | -----   |  |  |  |    |  |
|                             |  |                                   |  |         |  |                 |  |               |  |   |  |  |  |    |  |
|                             |  |                                   |  |         |  |                 |  |               |  |   |  |  |  |    |  |
| 2003-12-19                  |  |                                   |  |         |  |                 |  | 3             |  |   |  |  |  |    |  |
| NAME Chuang Kevin/Debby Tai |  |                                   |  | SUPERS. |  | 14              |  | 3138 158 5914 |  |   |  |  |  | A3 |  |
|                             |  |                                   |  | CHECK   |  | DATE 2003-12-19 |  |               |  | (C) KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 |  |  |  |    |  |

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| Ref Des | Reserved                   |
|---------|----------------------------|
| 3842    | 319802134720<br>4K7        |
| 3843    | 319802134720<br>4K7        |
| 3845    | 319802131030<br>10K        |
| 3851    | 319802134720<br>4K7        |
| 3853    | 319802131030<br>10K        |
| 3855    | 319802190030               |
| 3856    | 319802190030               |
| 3858    | 319802190030               |
| 3867    | 319802190030               |
| 7843    | tra NDC7002N<br>NDC7002N 1 |
| 7845    | 932219334685<br>LM810M3 1  |

|   |  |                              |  |         |  |               |  |   |       |
|---|--|------------------------------|--|---------|--|---------------|--|---|-------|
| CHN   |  | TYT12-                       |  | SETNAME |  | LMT-2 ( 30' ) |  |   |       |
| CLASS_NO  |  | TMDS _ Rx<br><br>300WN5BB/00 |  |         |  | 3138 158 5914 |  | 1 | ----- |
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Audio Delay Diagram

300WN5

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Go to cover page

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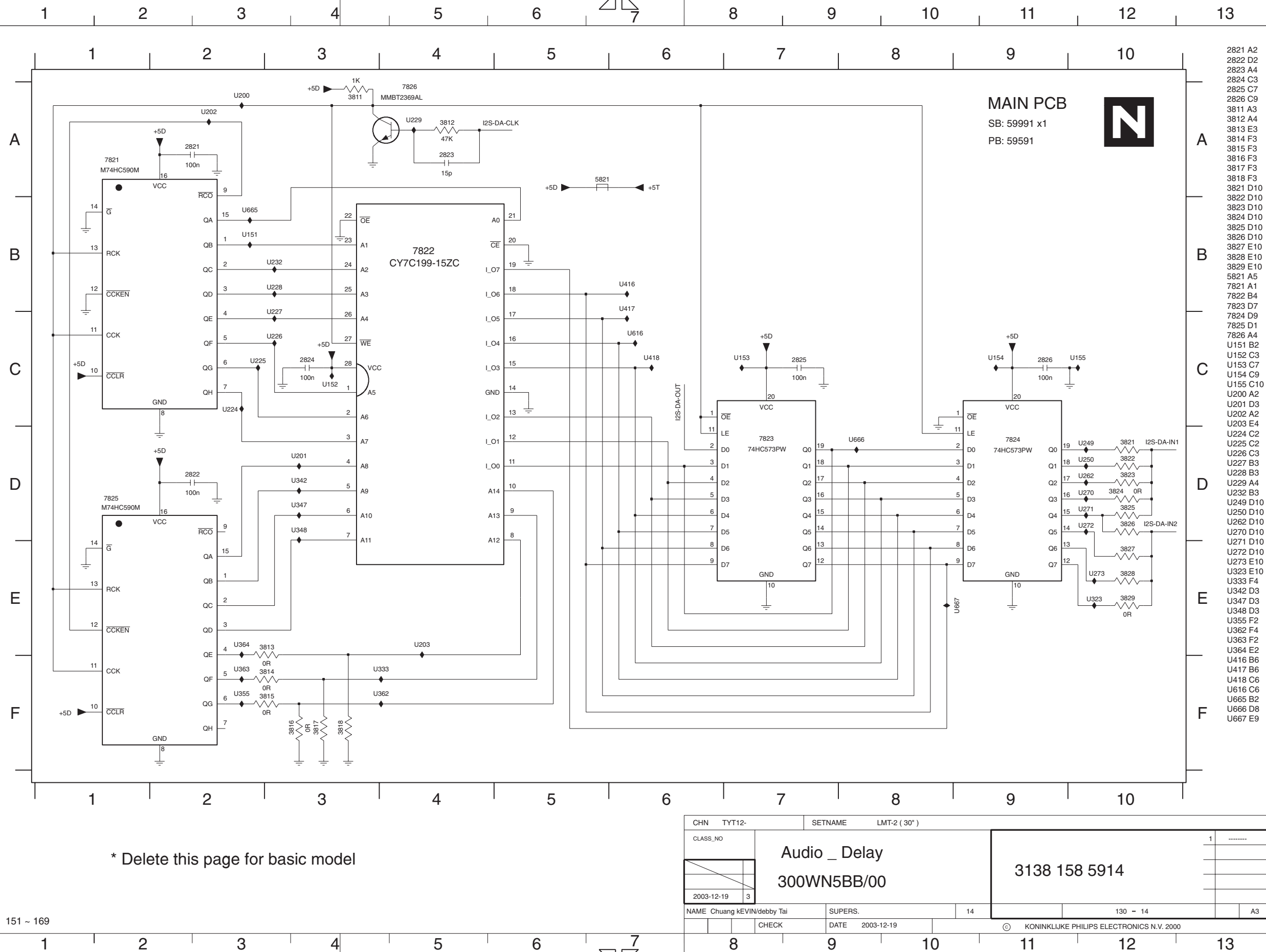
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|----------|------------------------|---------------|---------------|
| CHN      | TYT12-                 | SETNAME       | LMT-2 ( 30" ) |
| CLASS_NO |                        | Audio _ Delay | 3138 158 5914 |
|          |                        | 300WN5BB/00   |               |
| NAME     | Chuang KEVIN/debby Tai | SUPERS.       | 14            |
| CHECK    |                        | DATE          | 2003-12-19    |
|          |                        |               | 130 - 14      |
|          |                        |               | A3            |

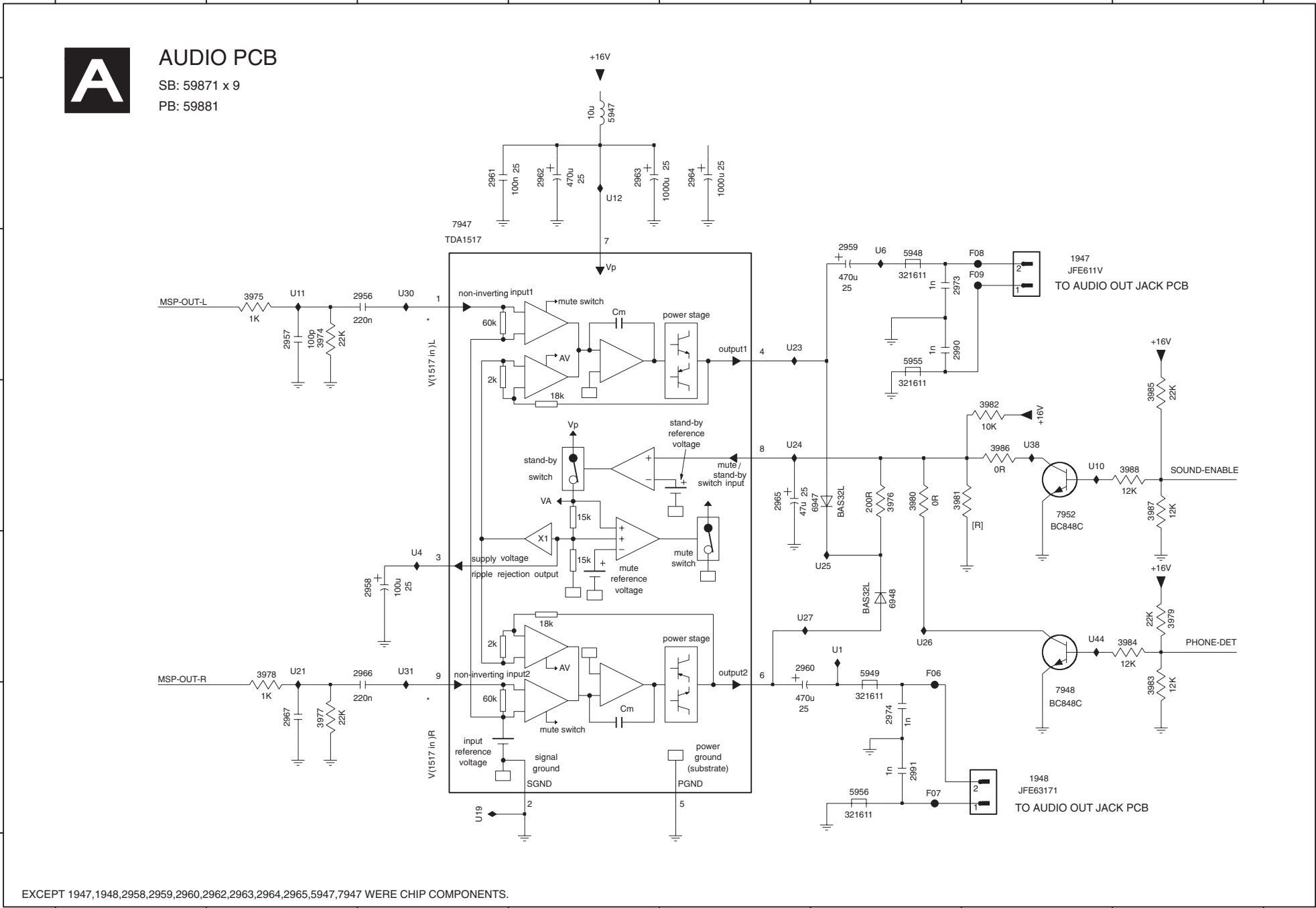
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Audio Board Diagram-1

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EXCEPT 1947,1948,2958,2959,2960,2962,2963,2964,2965,5947,7947 WERE CHIP COMPONENTS.

- U1 D6
- U4 D3
- U6 B6
- F06 D6
- F07 E6
- F08 B7
- F09 B7
- U10 C7
- U11 B2
- U12 A4
- U19 E3
- U21 D2
- U23 B5
- U24 C5
- U25 D6
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- U38 C7
- U44 D7
- 1947 A7
- 1948 E7
- 2956 B3
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- 2965 C5
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- 2973 B6
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- 2990 B6
- 2991 E6
- 3974 B2
- 3975 B2
- 3976 C6
- 3977 E2
- 3978 D2
- 3979 D8
- 3980 C6
- 3981 C6
- 3982 C7
- 3983 E8
- 3984 D8
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- 3987 C8
- 3988 C8
- 5947 A4
- 5948 B6
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- 5955 B6
- 5956 E6
- 6947 C6
- 6948 D6
- 7947 A3
- 7948 E7
- 7952 C7

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|------------|-----------------|----------------------------|-------------------------|---|---------|
| CHN        | TYT12-4309,4310 | SETNAME                    | LMT-2 ( 30° )           |   |         |
| CLASS_NO   |                 | AUDIO BOARD<br>300WN5BB/00 |                         | 3138 158 5506                               |         |
|            |                 |                            |                         |   |         |
| 2003-12-19 | 3               | NAME                       | Keviv Chuang /Debby Tai | SUPERS.                                     | 2       |
|            |                 | CHECK                      | DATE                    | 2003-12-19                                  | 130 - 1 |
|            |                 |                            |                         | © KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 | A3      |

Audio Board Diagram-2

300WN5

55

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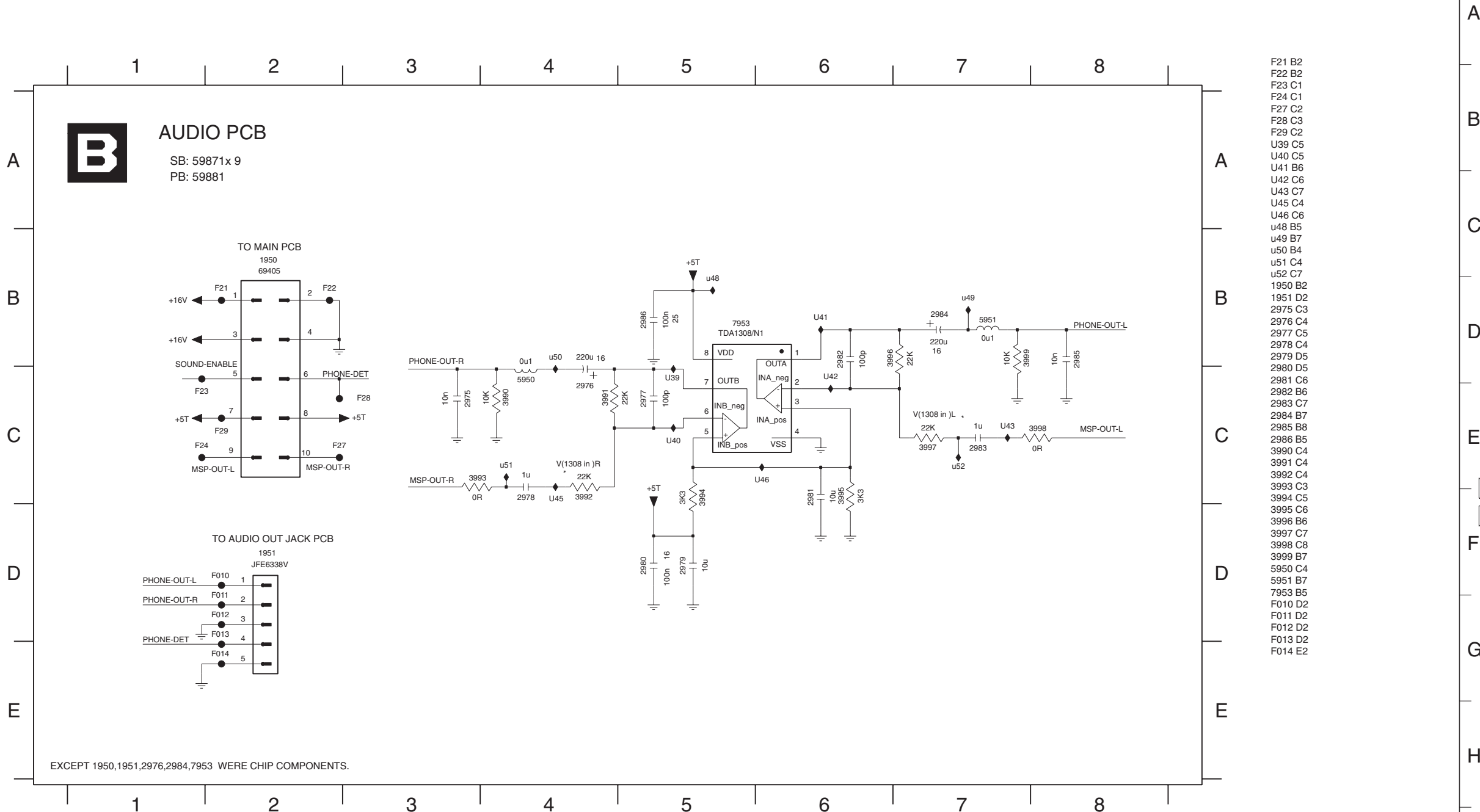
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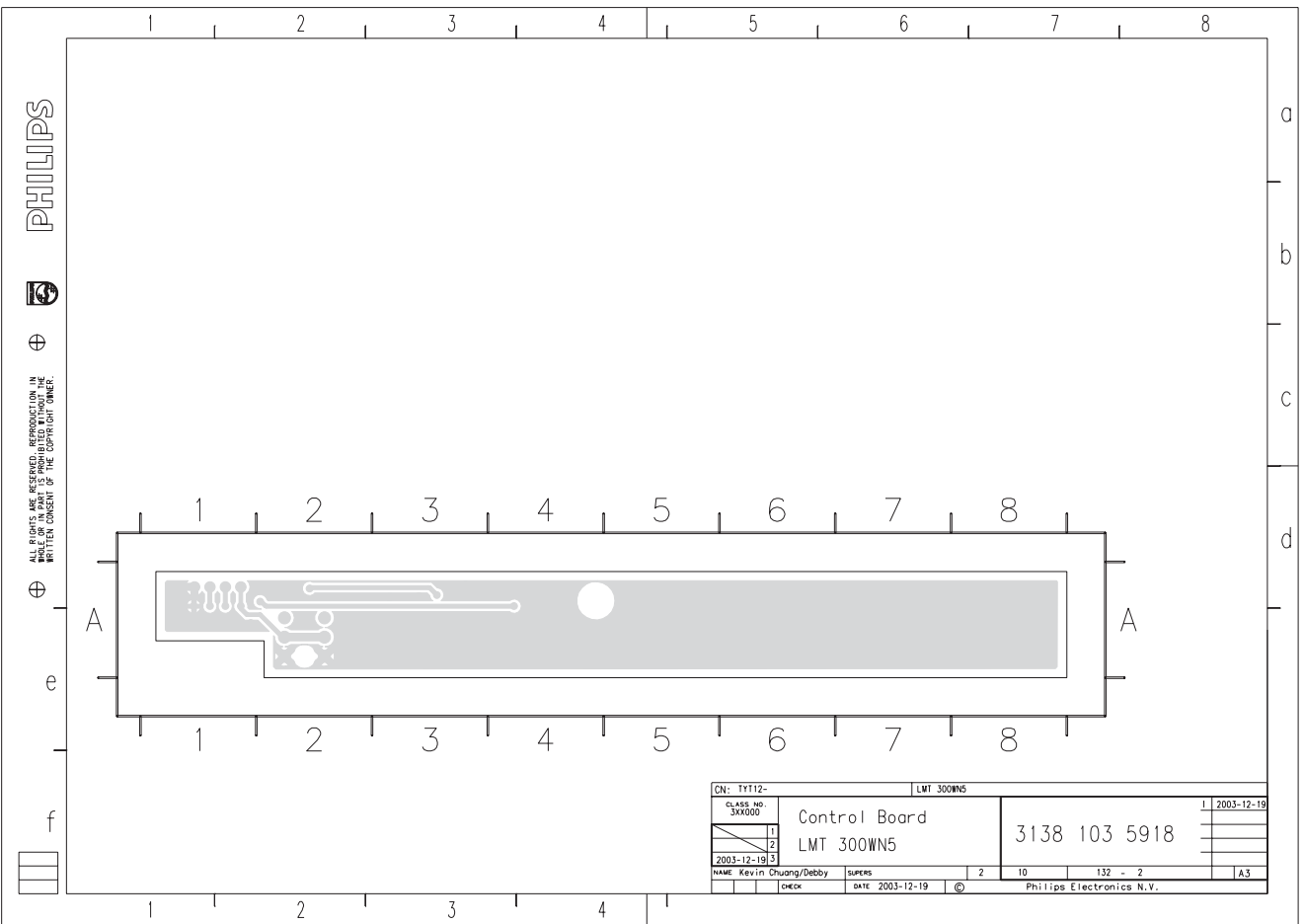
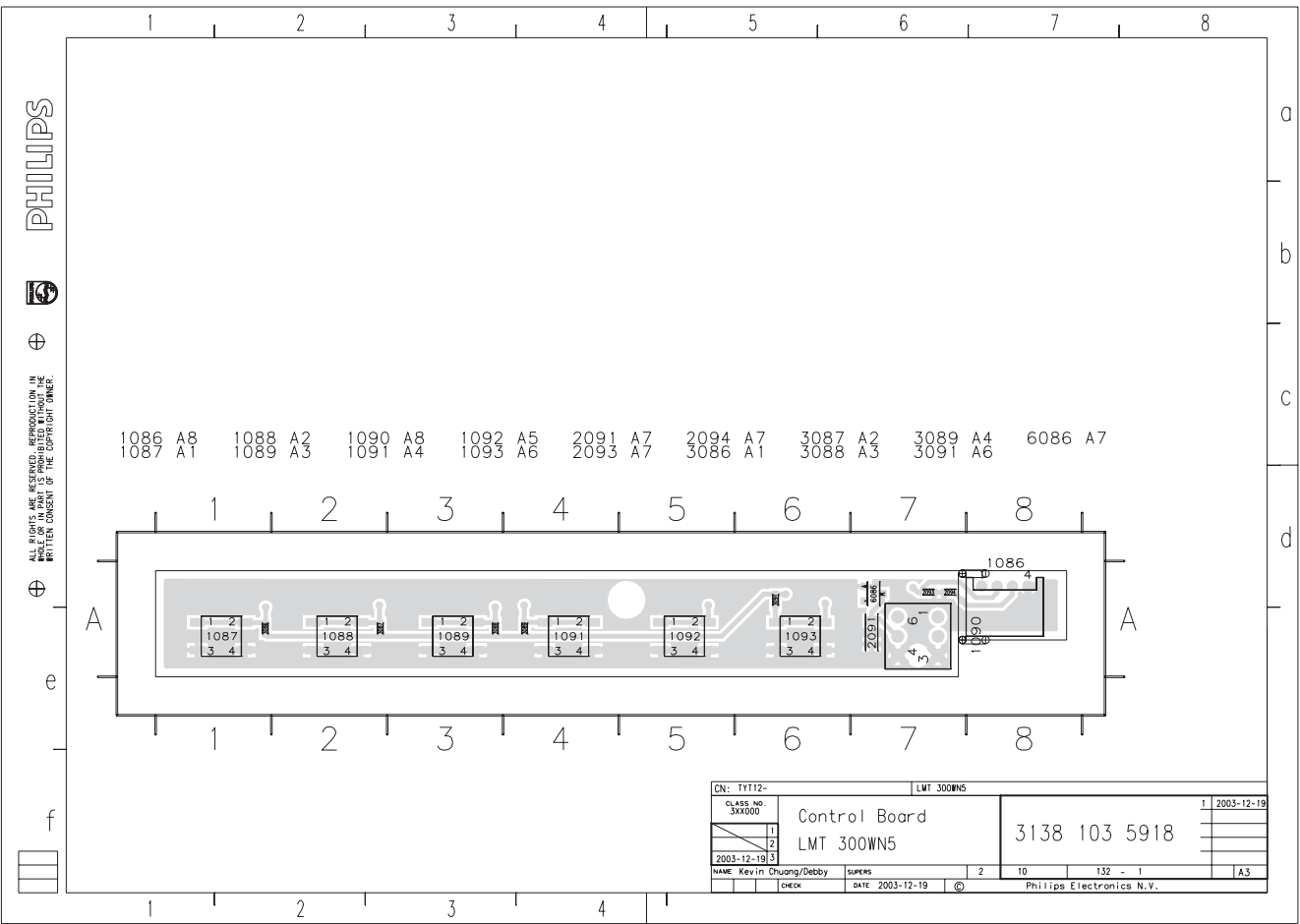
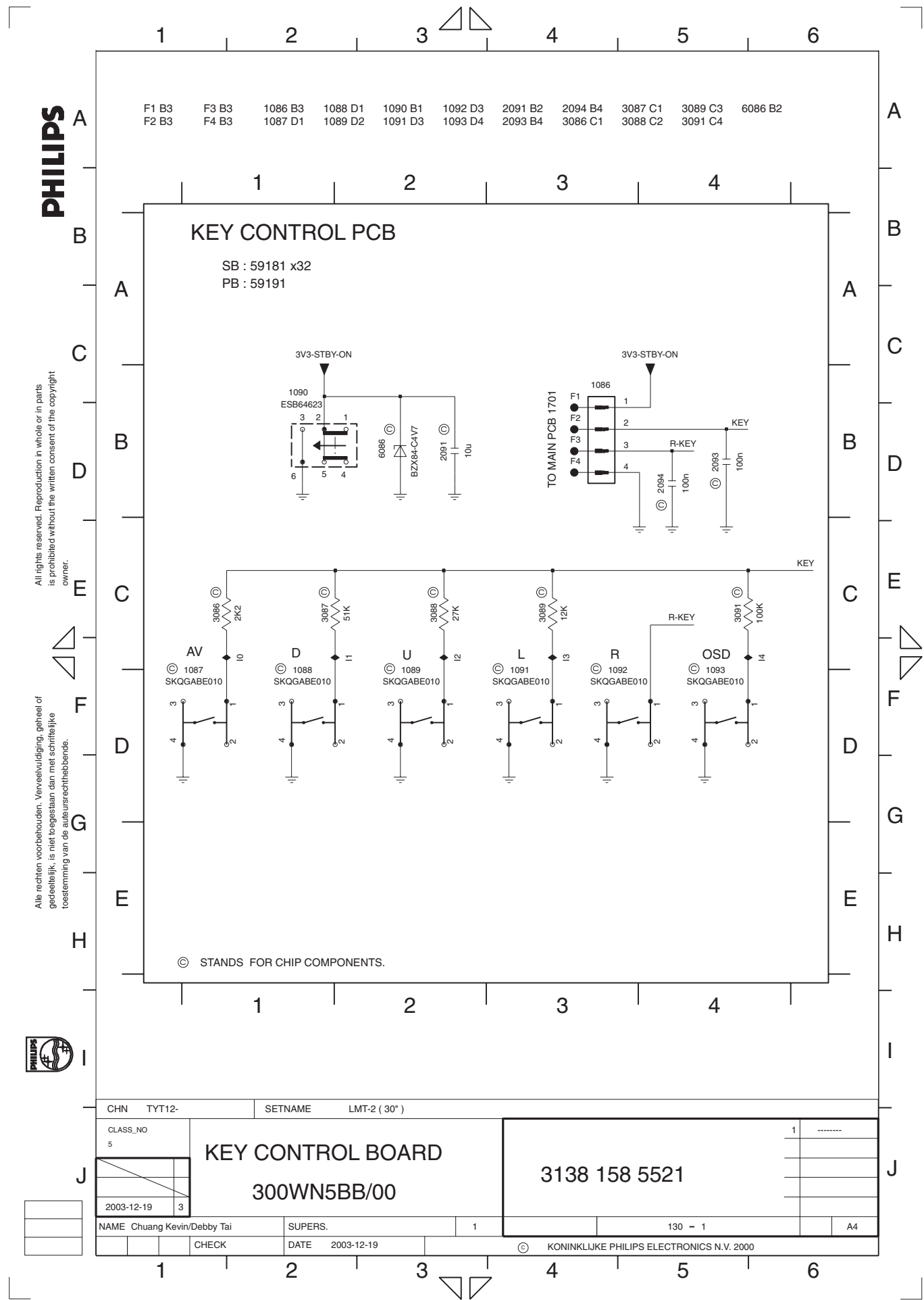


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|------------|----------------------------|------------|---|
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| CLASS_NO   | AUDIO BOARD<br>300WN5BB/00 |            | 1 -----                                     |
| 2003-12-19 |                            |            |   |
| NAME       | Chuang Chuang/Debby Tai    | SUPERS.    | 2   |
| CHECK      | DATE                       | 2003-12-19 | © KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 |
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Key Control Board Diagram and C.B.A.



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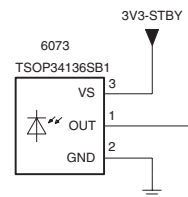
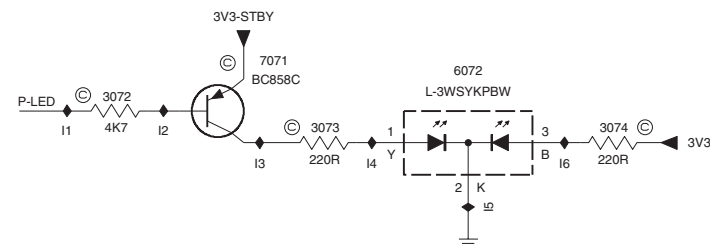
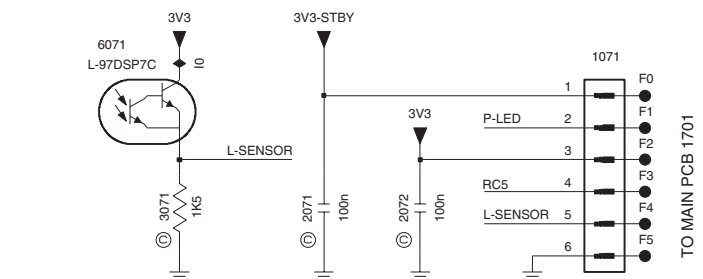
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|-------|-------|-------|-------|---------|---------|---------|---------|
| F0 A3 | F3 A3 | I0 A1 | I3 C2 | I6 C3   | 2072 B2 | 3073 C2 | 6072 C2 |
| F1 A3 | F4 B3 | I1 C1 | I4 C2 | 1071 A3 | 3071 B1 | 3074 C3 | 6073 D1 |
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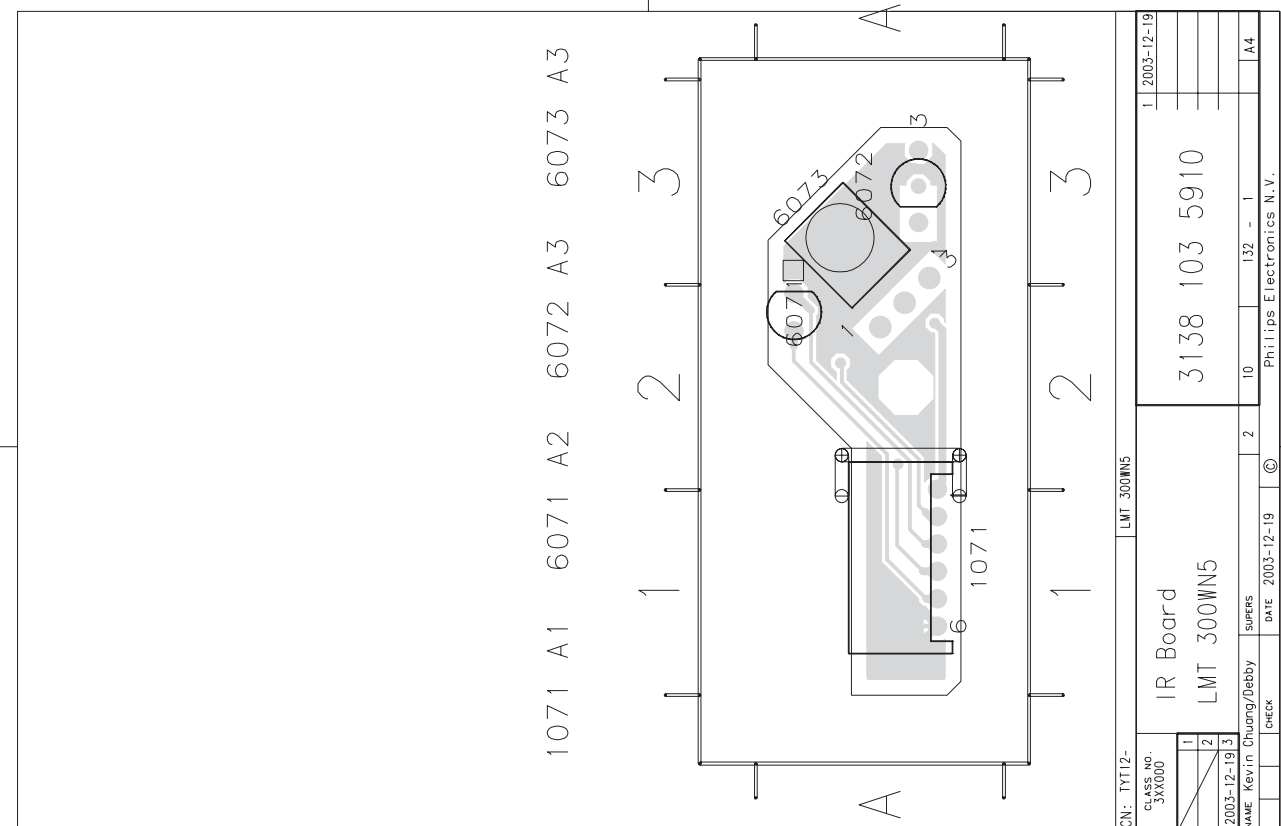
SB : 59101 x40  
PB : 59111



© STANDS FOR CHIP COMPONENTS.

171 ~ 199

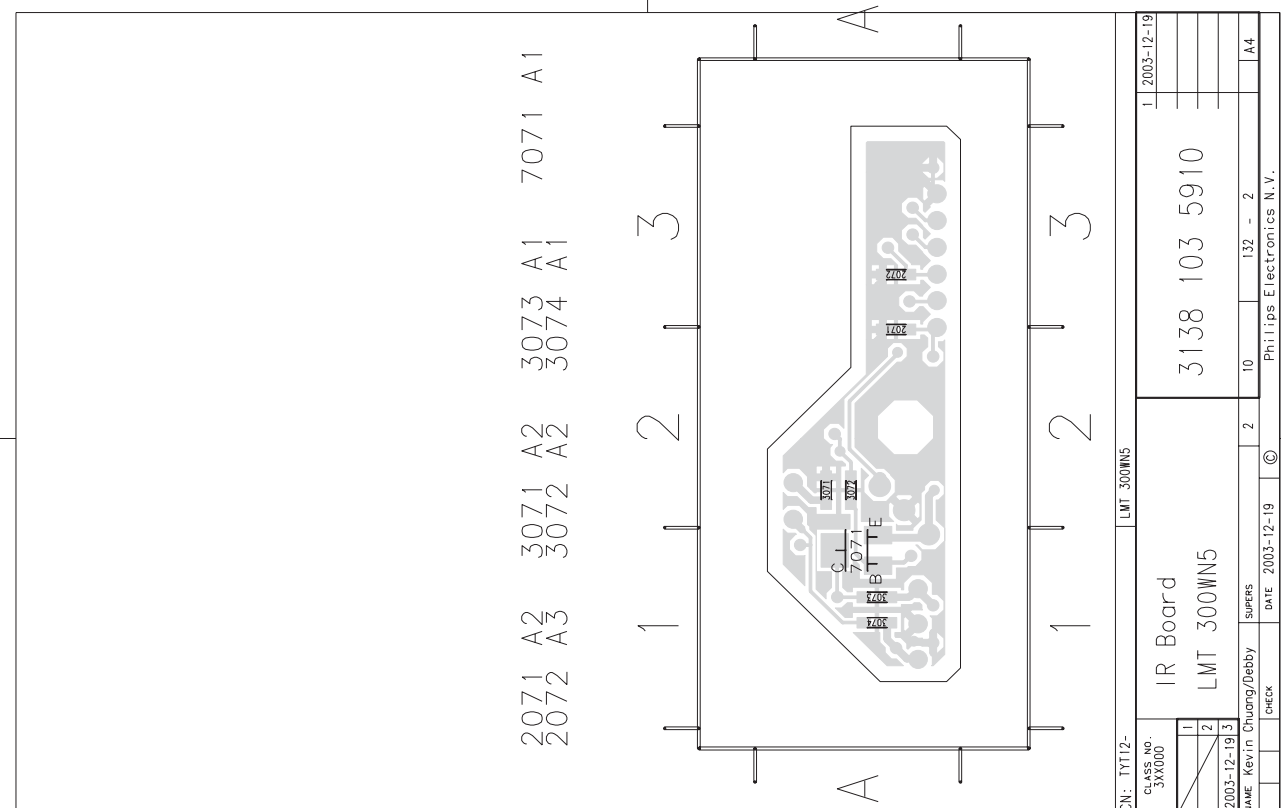
|                             |        |                               |               |   |         |   |       |
|-----------------------------|--------|-------------------------------|---------------|---|---------|---|-------|
| CHN                         | TYT12- | SETNAME                       | LMT-2 ( 30" ) |   |         |   |       |
| CLASS_NO                    |        | IR _ BOARD<br><br>300WN5BB/00 |               | 3138 158 5522                                 |         | 1 | ----- |
|                             |        |                               |               |   |         |   |       |
|                             |        |                               |               |   |         |   |       |
|                             |        |                               |               |   |         |   |       |
| 2003-12-19                  |        | 3                             |               |   |         |   |       |
| NAME Kevin Chuang/Debby Tai |        | SUPERS.                       |               | 1   | 130 - 1 |   | A4    |
|                             | CHECK  | DATE                          | 2003-12-19    | (C) KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000 |         |   |       |



PHILIPS



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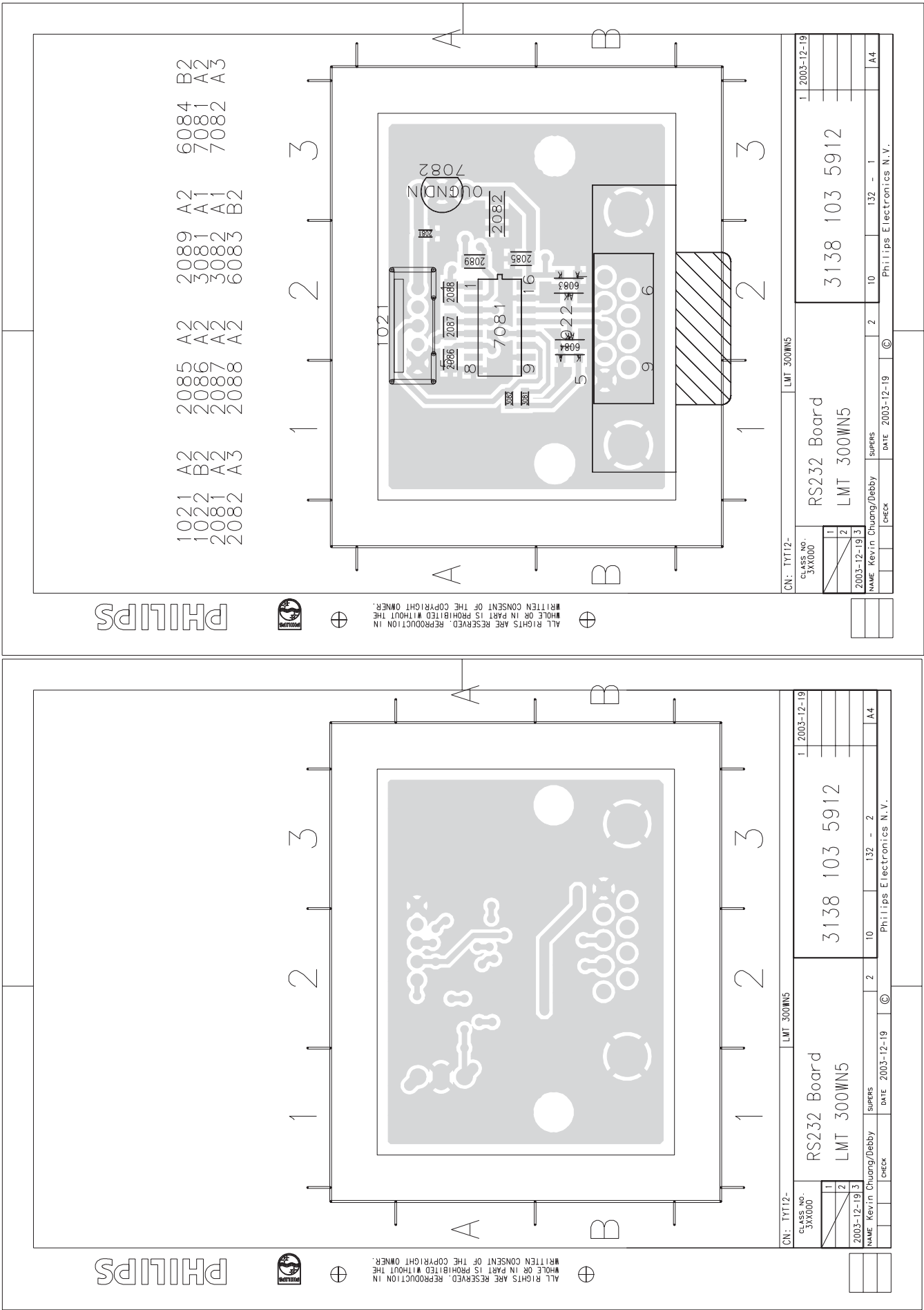
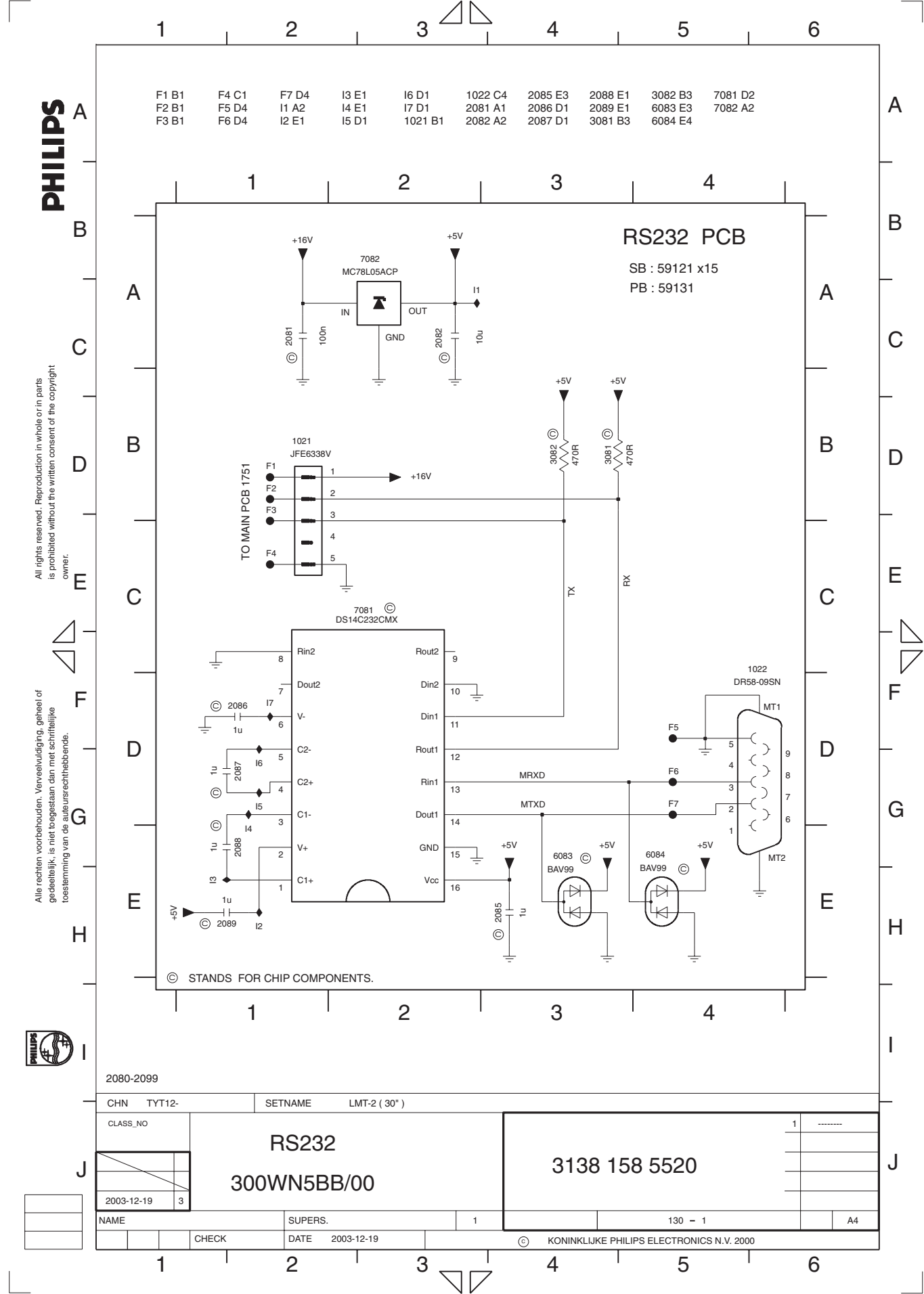


SDI7IHd



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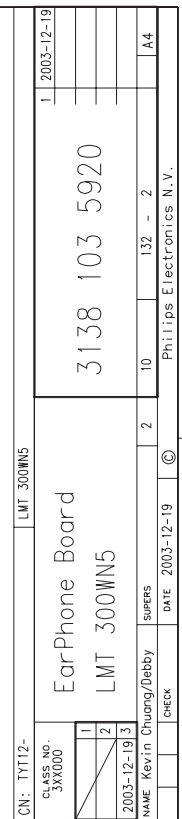
Rs232 Board Diagram and C.B.A.



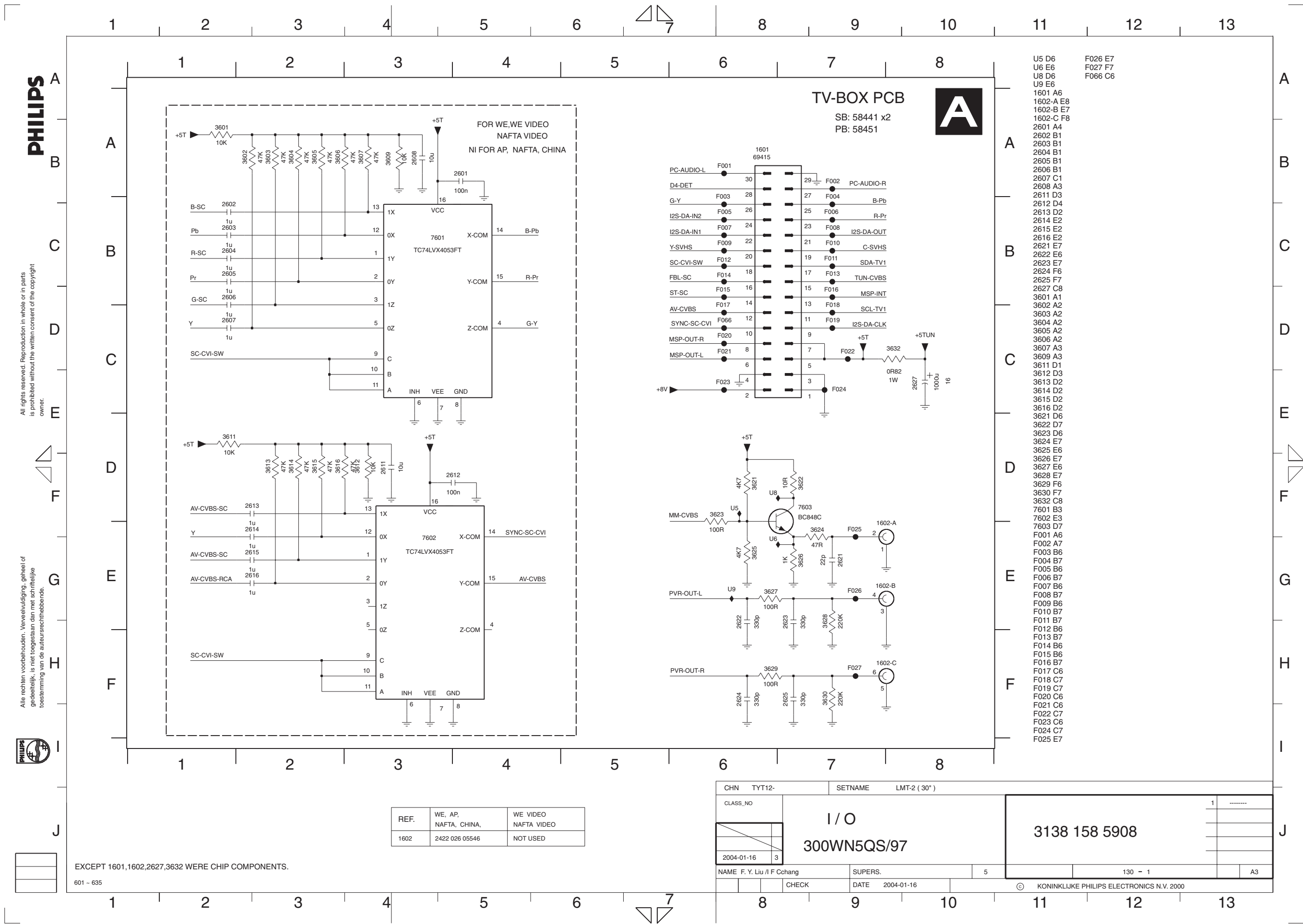


## 9

© KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000



TV Box(Video) I/O Diagram

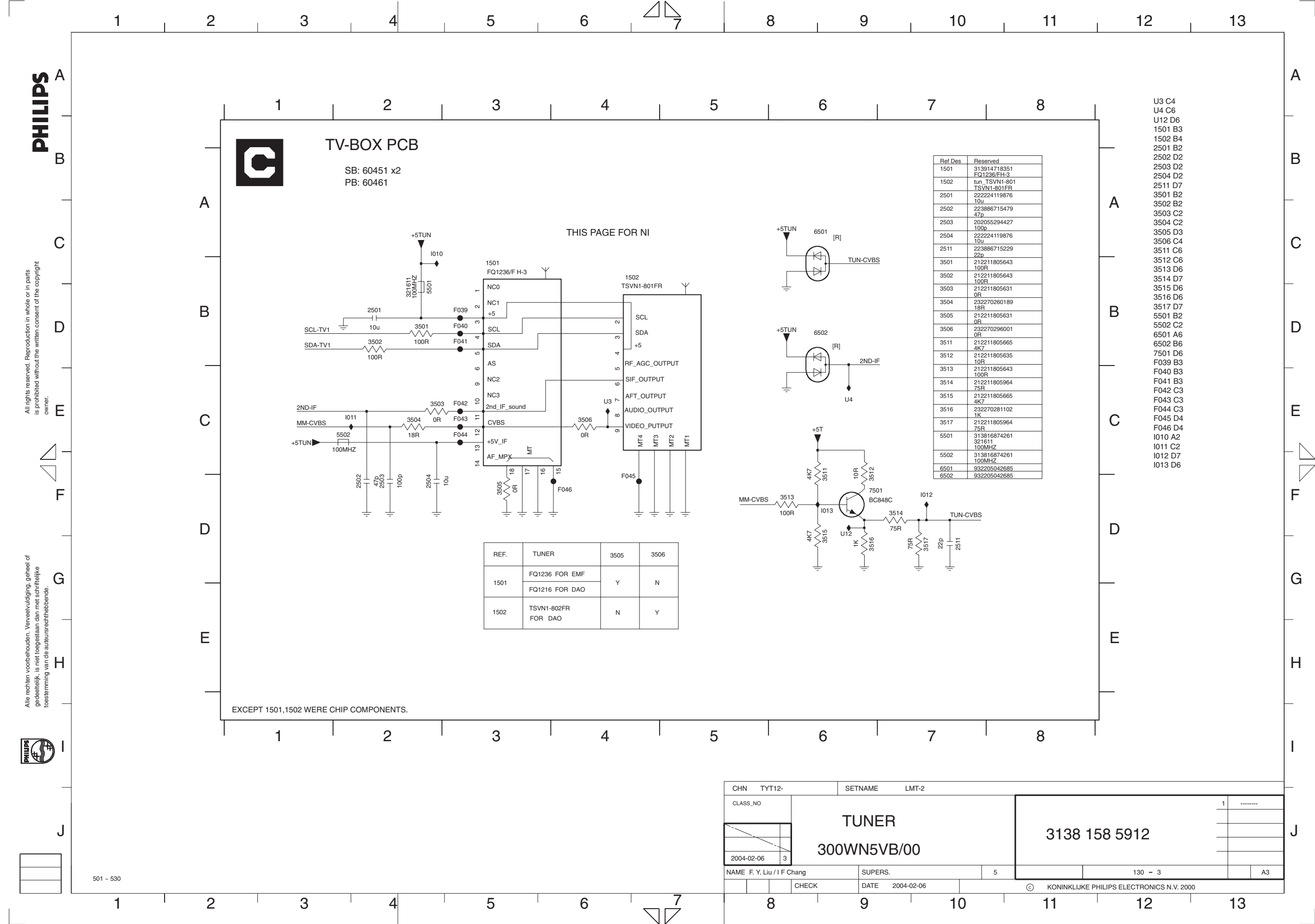




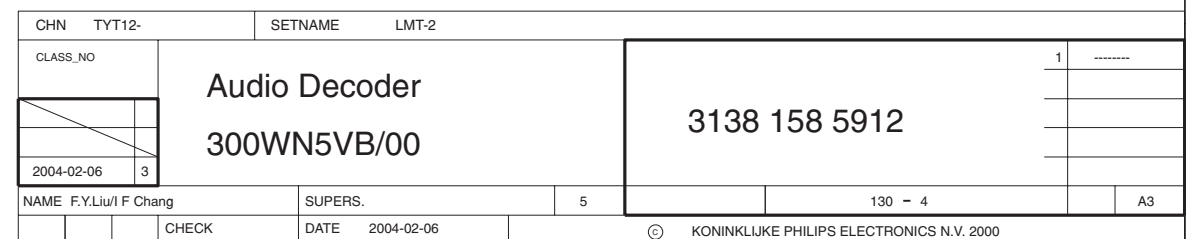
|           |         |
|-----------|---------|
| 1641-A E1 | I003 A3 |
| 1641-B C1 | I004 B2 |
| 1641-C B1 | I005 B3 |
| 1641-D A1 | I006 C3 |
| 1642 A5   | I007 D3 |
| 2641 A1   | I008 D3 |
| 2642 A2   |         |
| 2643 A3   | I044 A2 |
| 2644 B1   | I045 F3 |
| 2645 B2   |         |
| 2646 C1   |         |
| 2647 C2   |         |
| 2648 C3   |         |
| 2651 C1   |         |
| 2652 C2   |         |
| 2653 D1   |         |
| 2654 D2   |         |
| 2655 D3   |         |
| 2656 E2   |         |
| 2657 E3   |         |
| 2661 F2   |         |
| 2662 F2   |         |
| 2663 F2   |         |
| 2664 F2   |         |
| 2671 B6   |         |
| 2672 B7   |         |
| 2673 C6   |         |
| 2674 C7   |         |
| 3641 A4   |         |
| 3642 A3   |         |
| 3643 A2   |         |
| 3644 B3   |         |
| 3645 B4   |         |
| 3646 C3   |         |
| 3647 C2   |         |
| 3648 C3   |         |
| 3650 E4   |         |
| 3651 D4   |         |
| 3652 D3   |         |
| 3653 D3   |         |
| 3654 E3   |         |
| 3655 E2   |         |
| 3656 E3   |         |
| 3657 F2   |         |
| 3658 F3   |         |
| 3661 B7   |         |
| 3662 B7   |         |
| 3663 B7   |         |
| 3664 B7   |         |
| 5641 A2   |         |
| 5642 A3   |         |
| 5643 B7   |         |
| 5644 B7   |         |
| 5645 B2   |         |
| 5646 B3   |         |
| 5647 D2   |         |
| 5648 D3   |         |
| 5649 D2   |         |
| 6642 B6   |         |
| 6643 B5   |         |
| F028 A1   |         |
| F029 B6   |         |
| F030 B1   |         |
| F031 B5   |         |
| F032 B1   |         |
| F033 B6   |         |
| F034 C1   |         |
| F035 D1   |         |
| F036 D1   |         |
| F037 E1   |         |
| F038 F1   |         |
| I001 A3   |         |
| I002 A7   |         |

3138 158 5912

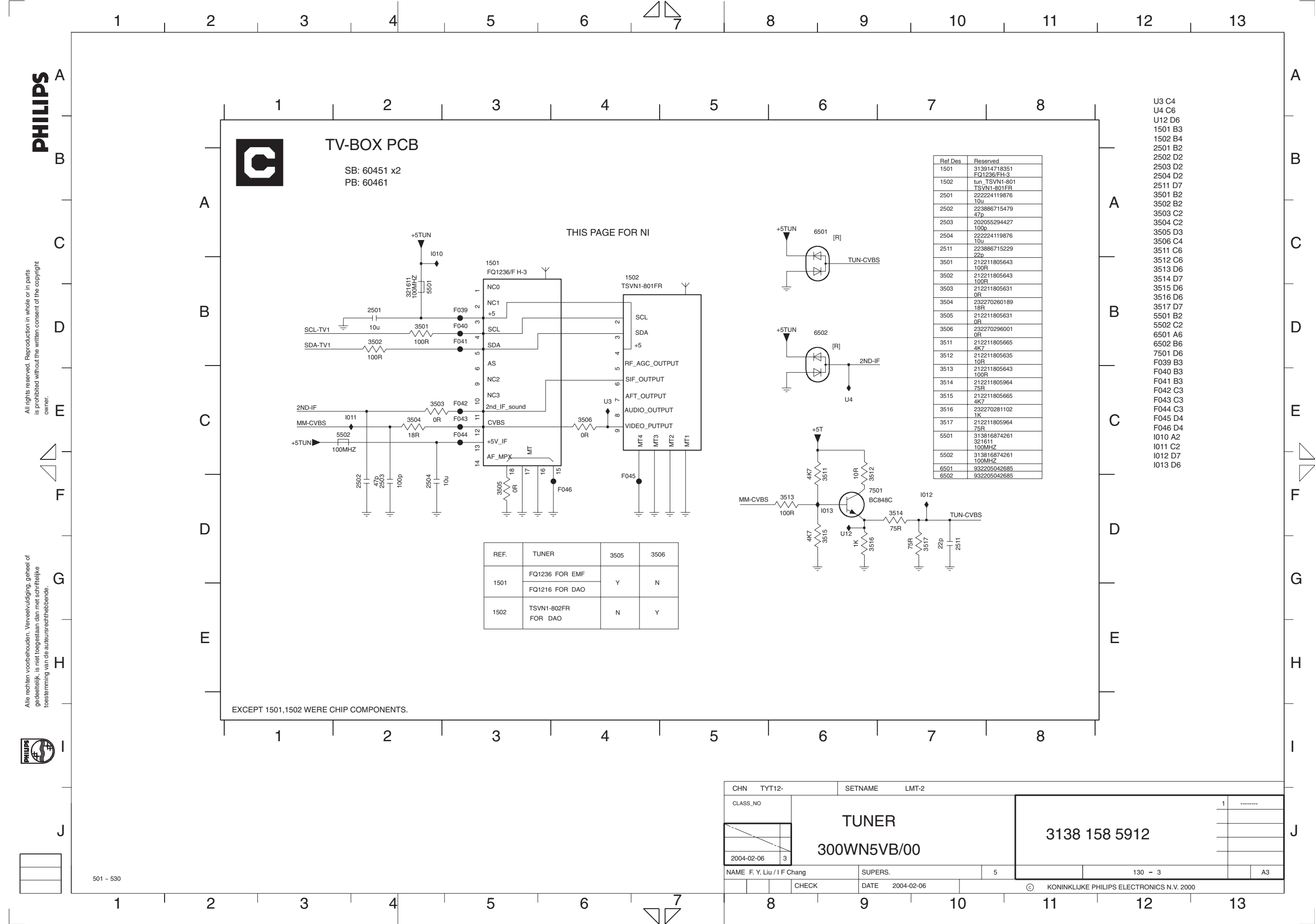
TV Box(Video) Tuner Diagram



## 3



TV Box(Video) EMF Scart Diagram





TV Box(TV) I/O Diagram

300WN5

65

Go to cover page

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J



1 2 3 4 5 6 7 8 9 10 11 12 13

1 2 3 4 5 6 7 8

A A

B B

C C

D D

E E

F F

G G

H H

I I

J J

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

A A

B B

C C

D D

E E

F F

G G

H H

I I

J J

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

A A

B B

C C

D D

E E

F F

G G

H H

I I

J J

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

A A

B B

C C

D D

E E

F F

G G

H H

I I

J J

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

A A

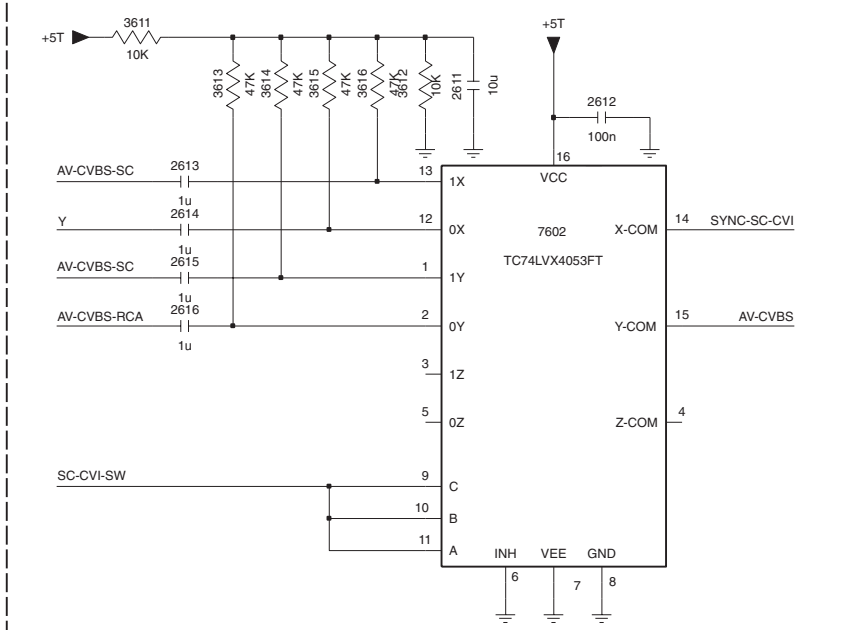
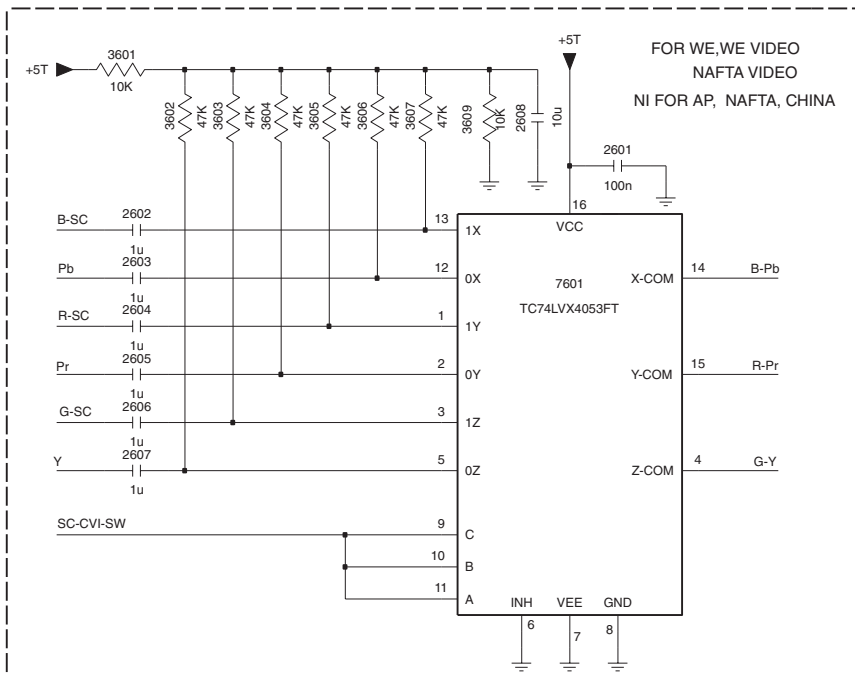
B B

C C

D D

E E

F F



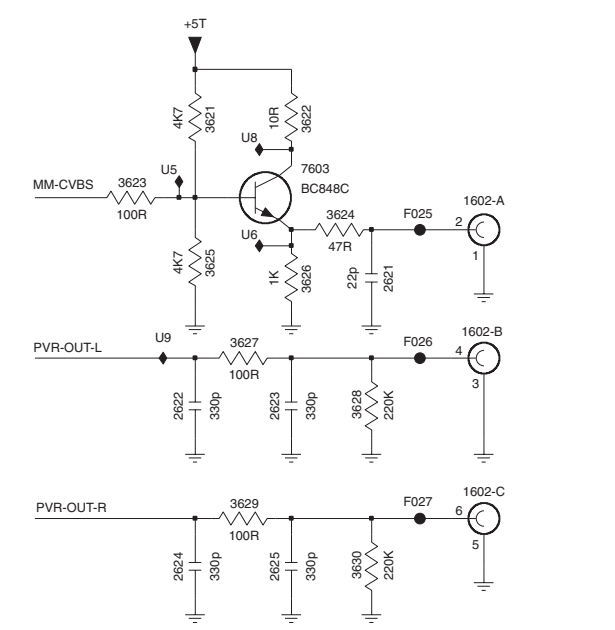
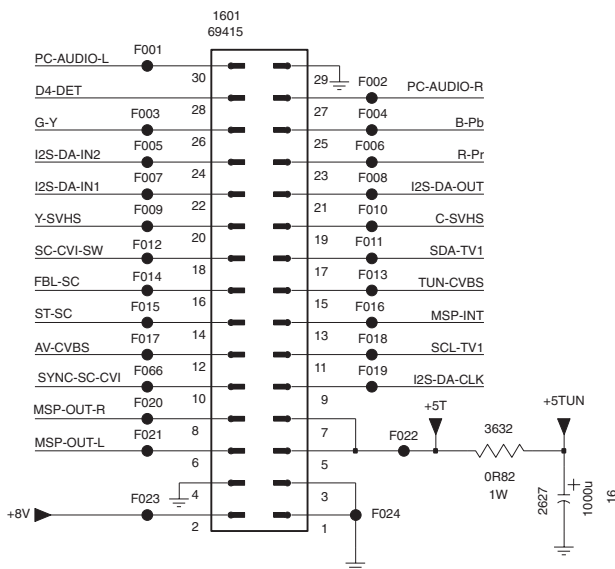
| REF. | WE, AP, NAFTA, CHINA, | WE VIDEO NAFTA VIDEO |
|------|-----------------------|----------------------|
| 1602 | 2422 026 05546        | NOT USED             |

EXCEPT 1601,1602,2627,3632 WERE CHIP COMPONENTS.

601 - 635

TV-BOX PCB

SB: 58441 x2  
PB: 58451



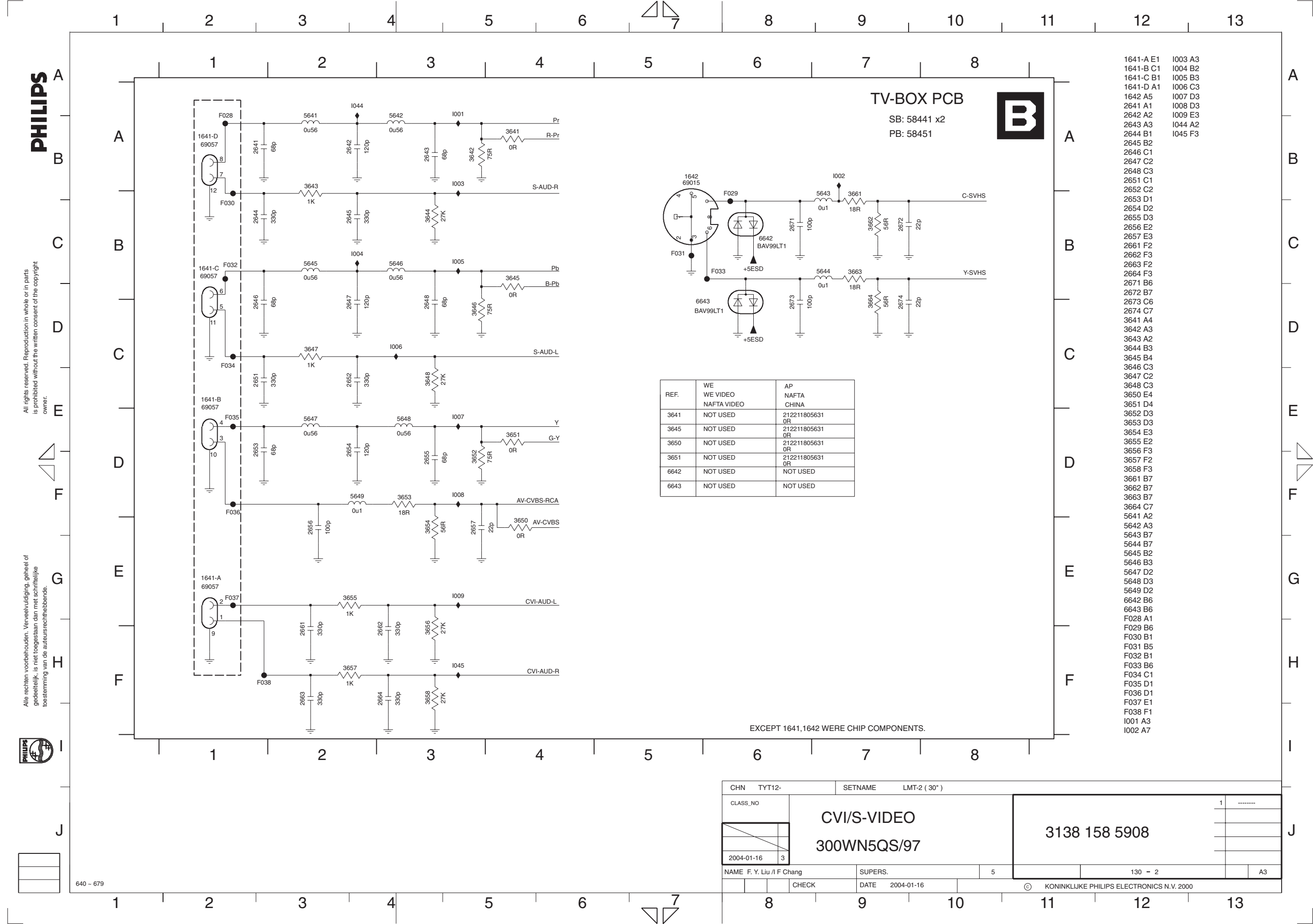
- U5 D6
- U6 E6
- U8 D6
- U9 E6
- 1601 A6
- 1602-A E8
- 1602-B E7
- 1602-C F8
- 2601 A4
- 2602 B1
- 2603 B1
- 2604 B1
- 2605 B1
- 2606 B1
- 2607 C1
- 2608 A3
- 2611 D3
- 2612 D4
- 2613 D2
- 2614 E2
- 2615 E2
- 2616 E2
- 2621 E7
- 2622 E6
- 2623 E7
- 2624 F6
- 2625 F7
- 2627 C8
- 3601 A1
- 3602 A2
- 3603 A2
- 3604 A2
- 3605 A2
- 3606 A2
- 3607 A3
- 3609 A3
- 3611 D1
- 3612 D3
- 3613 D2
- 3614 D2
- 3615 D2
- 3616 D2
- 3621 D6
- 3622 D7
- 3623 D6
- 3624 E7
- 3625 E6
- 3626 E7
- 3627 E6
- 3628 E7
- 3629 F6
- 3630 F7
- 3632 C8
- 7601 B3
- 7602 E3
- 7603 D7
- F001 A6
- F002 A7
- F003 B6
- F004 B7
- F005 B6
- F006 B7
- F007 B6
- F008 B7
- F009 B6
- F010 B7
- F011 B7
- F012 B6
- F013 B7
- F014 B6
- F015 B6
- F016 B7
- F017 C6
- F018 C7
- F019 C7
- F020 C6
- F021 C6
- F022 C7
- F023 C6
- F024 C7
- F025 E7
- F026 E7
- F027 F7
- F066 C6

|            |                      |             |               |
|------------|----------------------|-------------|---------------|
| CHN        | TYT12-               | SETNAME     | LMT-2 ( 30° ) |
| CLASS_NO   |                      | I / O       |               |
|            |                      | 300WN5QS/97 |               |
| 2004-01-16 | 3                    |             |               |
| NAME       | F. Y. Liu / F Cchang | SUPERS.     | 5             |
| CHECK      |                      | DATE        | 2004-01-16    |
|            |                      |             | 130 - 1       |
|            |                      |             | A3            |

3138 158 5908

KONINKLIJKE PHILIPS ELECTRONICS N.V. 2000

TV Box(TV) CVI/S-Video Diagram



TV Box(TV) Tuner Diagram

300WN5

67

Go to cover page

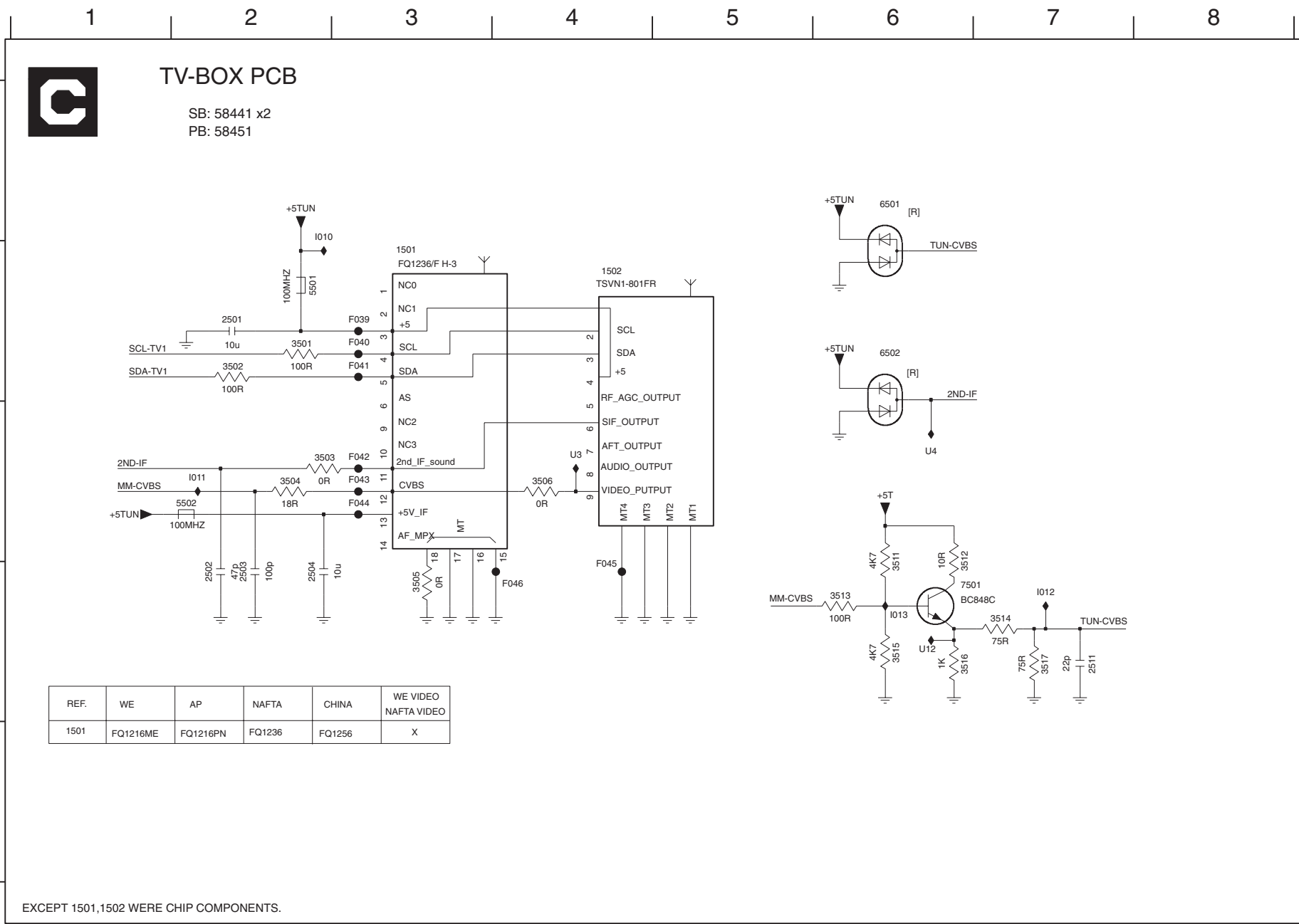
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J



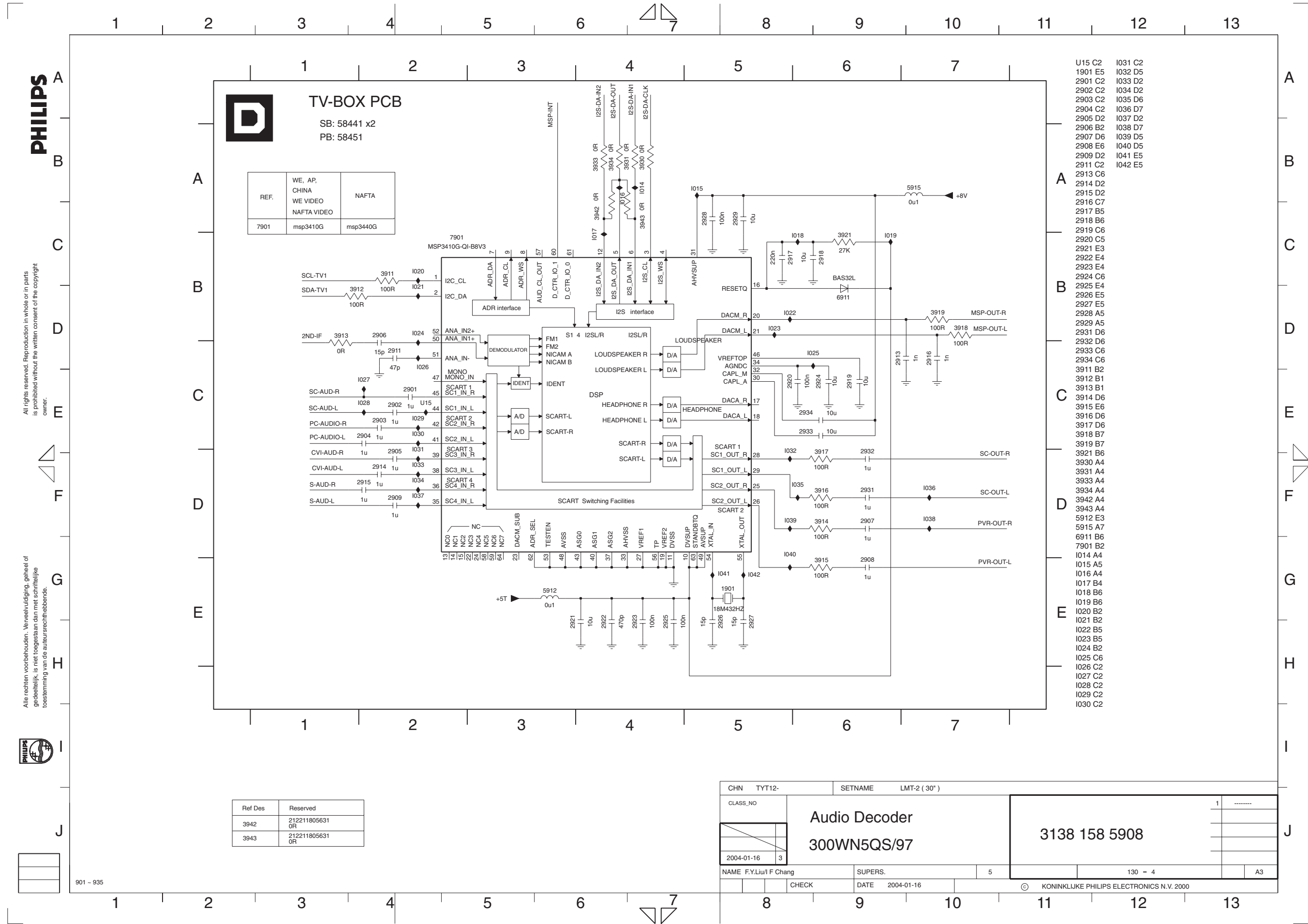
U3 C4  
U4 C6  
U12 D6  
1501 B3  
1502 B4  
2501 B2  
2502 D2  
2503 D2  
2504 D2  
2511 D7  
3501 B2  
3502 B2  
3503 C2  
3504 C2  
3505 D3  
3506 C4  
3511 C6  
3512 C6  
3513 D6  
3514 D7  
3515 D6  
3516 D6  
3517 D7  
5501 B2  
5502 C2  
6501 A6  
6502 B6  
7501 D6  
F039 B3  
F040 B3  
F041 B3  
F042 C3  
F043 C3  
F044 C3  
F045 D4  
F046 D4  
I010 A2  
I011 C2  
I012 D7  
I013 D6

|      |                    |
|------|--------------------|
| REF. | Reserved           |
| 1502 | TSVN1-801FR        |
| 3506 | 212211805631<br>0R |
| 6501 | 932205042685       |
| 6502 | 932205042685       |
|      |                    |

|            |                       |             |               |
|------------|-----------------------|-------------|---------------|
| CHN        | TYT12-                | SETNAME     | LMT-2 (30')   |
| CLASS_NO   |                       |             |               |
|            |                       | TUNER       |               |
|            |                       | 300WN5QS/97 |               |
| 2004-01-16 | 3                     |             | 3138 158 5908 |
| NAME       | F. Y. Liu / I F Chang | SUPERS.     | 5             |
| CHECK      |                       | DATE        | 2004-01-16    |
|            |                       |             | 130 - 3       |
|            |                       |             | A3            |

KONINKLUKE PHILIPS ELECTRONICS N.V. 2000

TV Box(TV) Audio Decoder Diagram



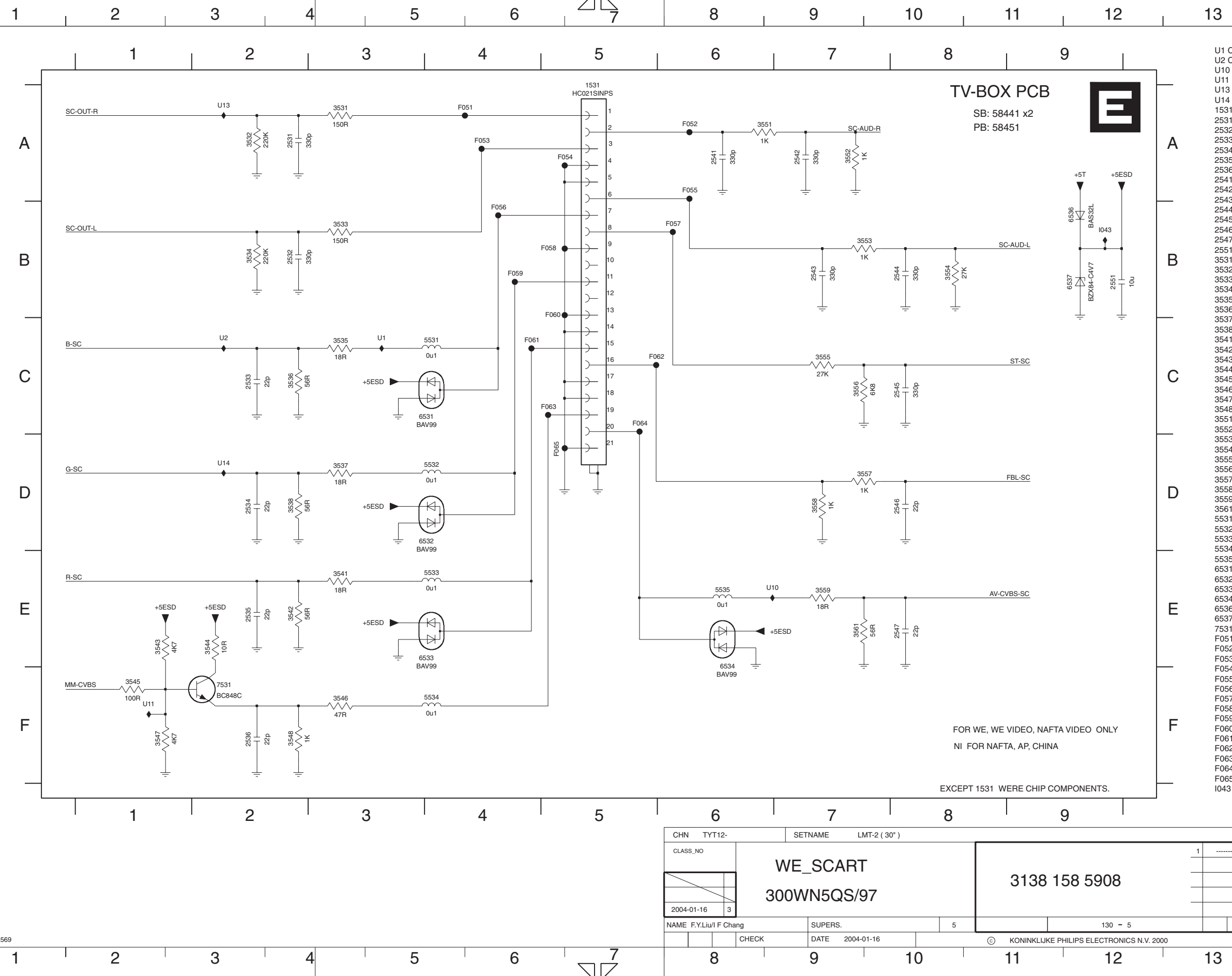
TV Box(TV) WE Scart Diagram

Go to cover page

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TV-BOX PCB  
SB: 58441 x2  
PB: 58451



- U1 C3
- U2 C2
- U10 E6
- U11 F1
- U13 A2
- U14 D2
- 1531 A5
- 2531 A2
- 2532 B2
- 2533 C2
- 2534 D2
- 2535 E2
- 2536 F2
- 2541 A6
- 2542 A7
- 2543 B7
- 2544 B8
- 2545 C8
- 2546 D8
- 2547 E8
- 2551 B9
- 3531 A3
- 3532 A2
- 3533 B3
- 3534 B2
- 3535 C3
- 3536 C2
- 3537 D3
- 3538 D2
- 3541 E3
- 3542 E2
- 3543 E1
- 3544 E2
- 3545 F1
- 3546 F3
- 3547 F1
- 3548 F2
- 3551 A6
- 3552 A7
- 3553 B7
- 3554 B8
- 3555 C7
- 3556 C7
- 3557 D7
- 3558 D7
- 3559 E7
- 3561 E7
- 5531 C4
- 5532 D4
- 5533 E4
- 5534 F4
- 5535 E6
- 6531 C3
- 6532 D3
- 6533 E3
- 6534 E6
- 6536 B9
- 6537 B9
- 7531 F2
- F051 A4
- F052 A6
- F053 A4
- F054 A5
- F055 A6
- F056 B4
- F057 B6
- F058 B5
- F059 B4
- F060 B5
- F061 C4
- F062 C5
- F063 C5
- F064 C5
- F065 D5
- I043 B9

FOR WE, WE VIDEO, NAFTA VIDEO ONLY  
NI FOR NAFTA, AP, CHINA

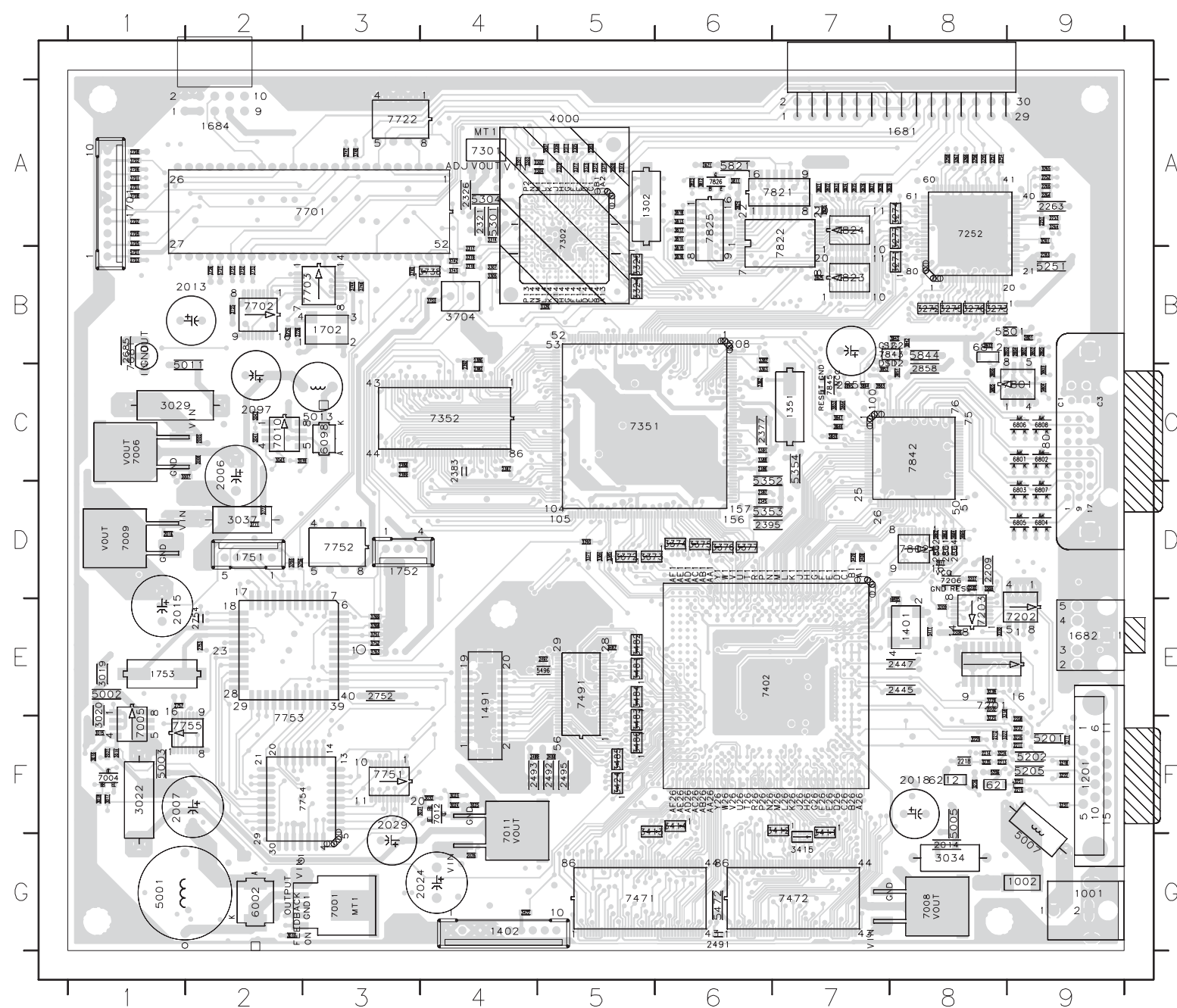
EXCEPT 1531 WERE CHIP COMPONENTS.

|          |                   |               |             |
|----------|-------------------|---------------|-------------|
| CHN      | TYT12-            | SETNAME       | LMT-2 (30") |
| CLASS_NO |                   | WE_SCART      |             |
|          |                   | 300WN5QS/97   |             |
|          |                   | 3138 158 5908 |             |
| NAME     | F.Y.Liu/I F Chang | SUPERS.       | 5           |
| CHECK    |                   | DATE          | 2004-01-16  |
|          |                   |               | 130 - 5     |
|          |                   |               | A3          |



e

f

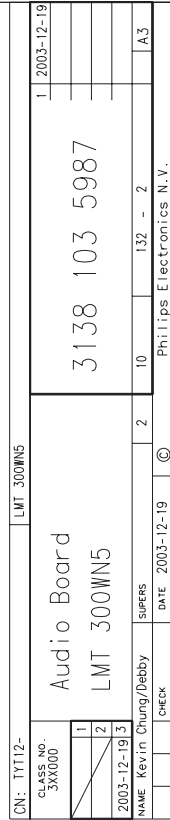
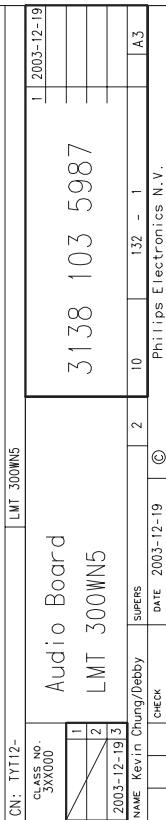


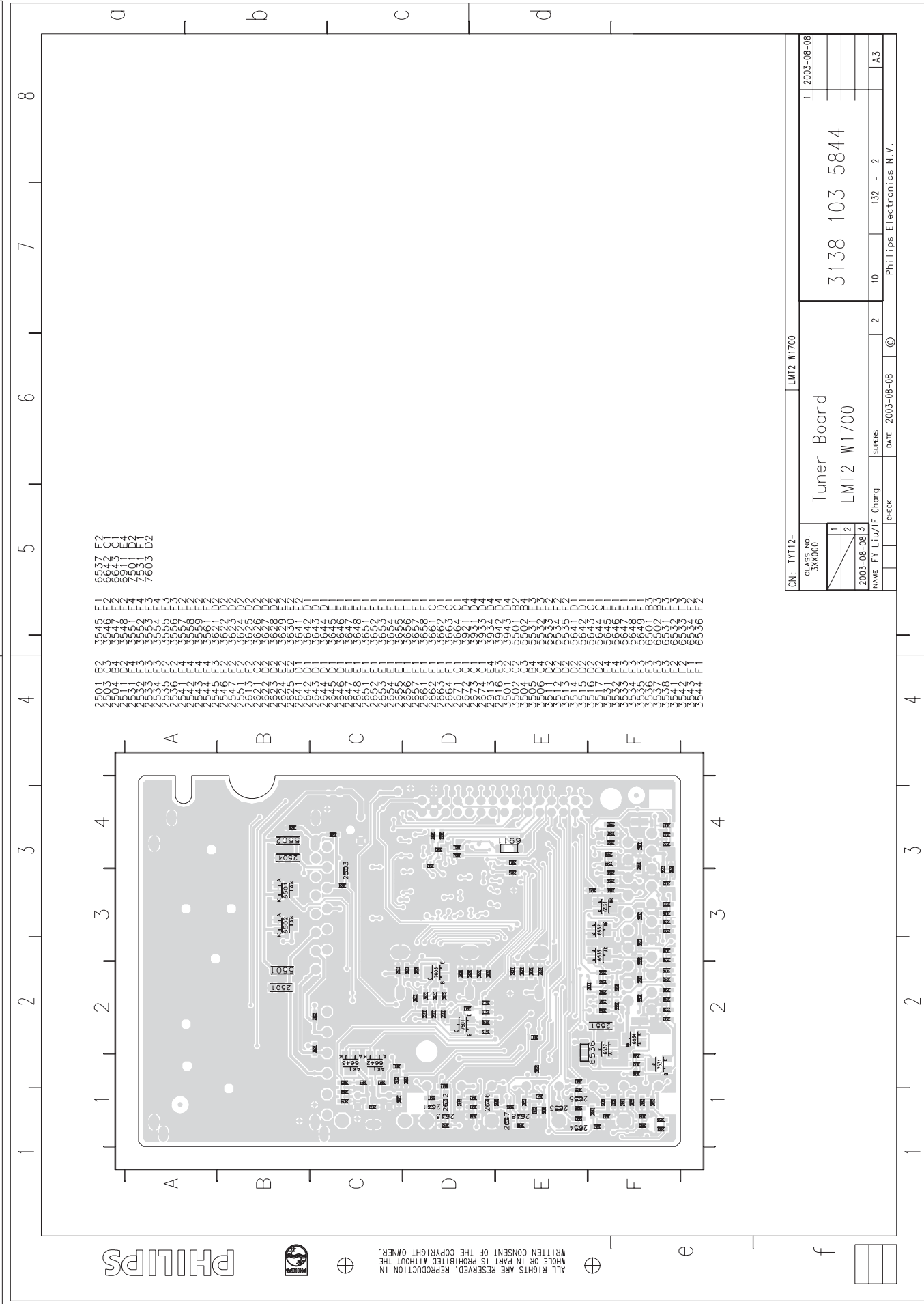
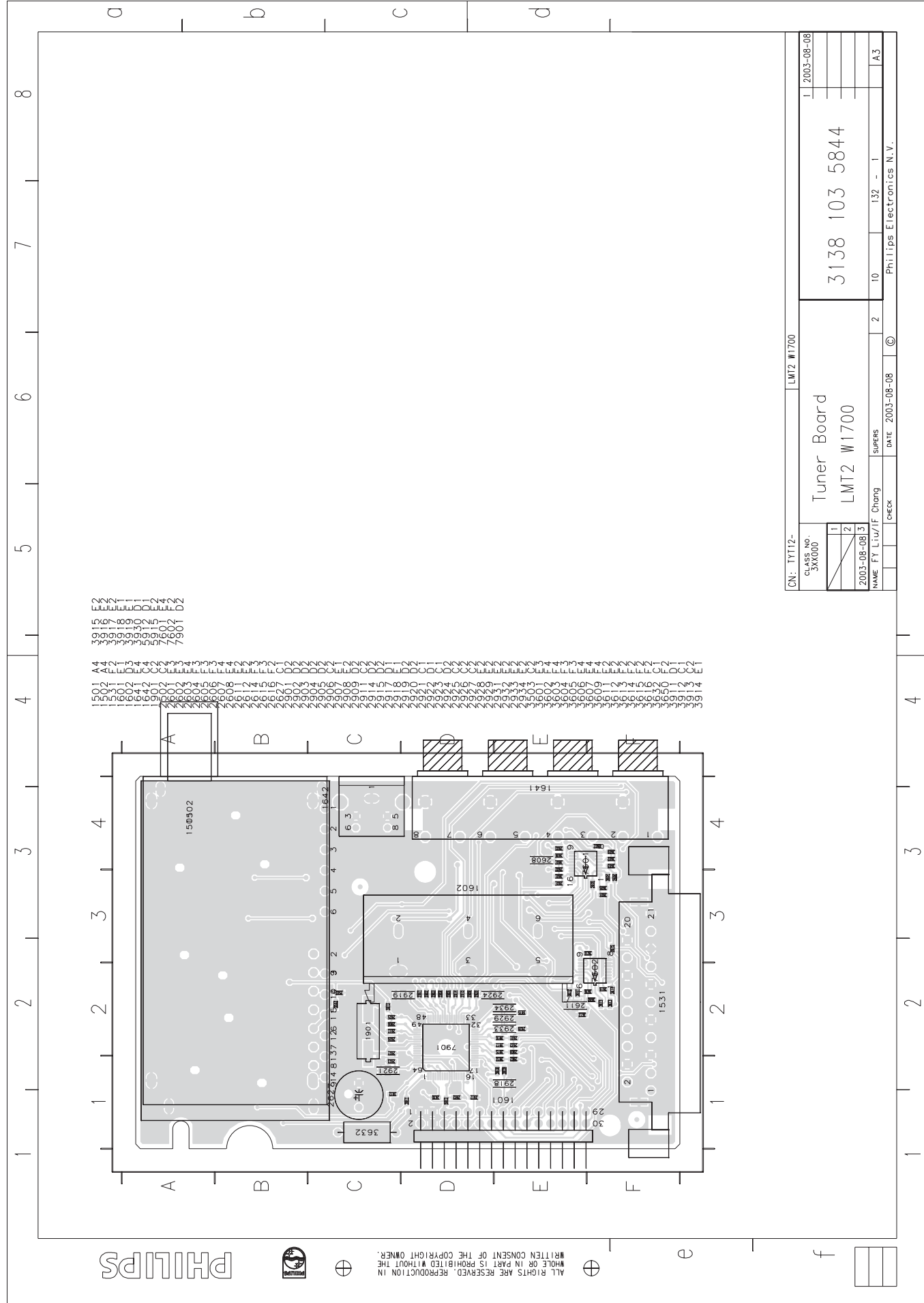
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|---|--|--------------------------------|--|---|--|
| CN: TYT12   |  | LMT 300WN5                     |  |   |  |
| CLASS NO.<br>3XX000   |  | Scaler Board<br><br>LMT 300WN5 |  | <div> <div>1</div> <div>2003-12-19</div> </div> |  |
| <div> <div>1</div> <div>2</div> <div>2003-12-19</div> <div>3</div> </div> |  |                                |  |   |  |
|   |  |                                |  |   |  |
|   |  |                                |  |   |  |
| NAME Kevin Chuang/Dabby   |  | SUPERS                         |  | 2   |  |
|   |  |                                |  | 10  |  |
|   |  |                                |  | 132 - 1   |  |
|   |  |                                |  | A3  |  |
| CHECK   |  | DATE 2003-12-19                |  | © Philips Electronics N.V.                      |  |



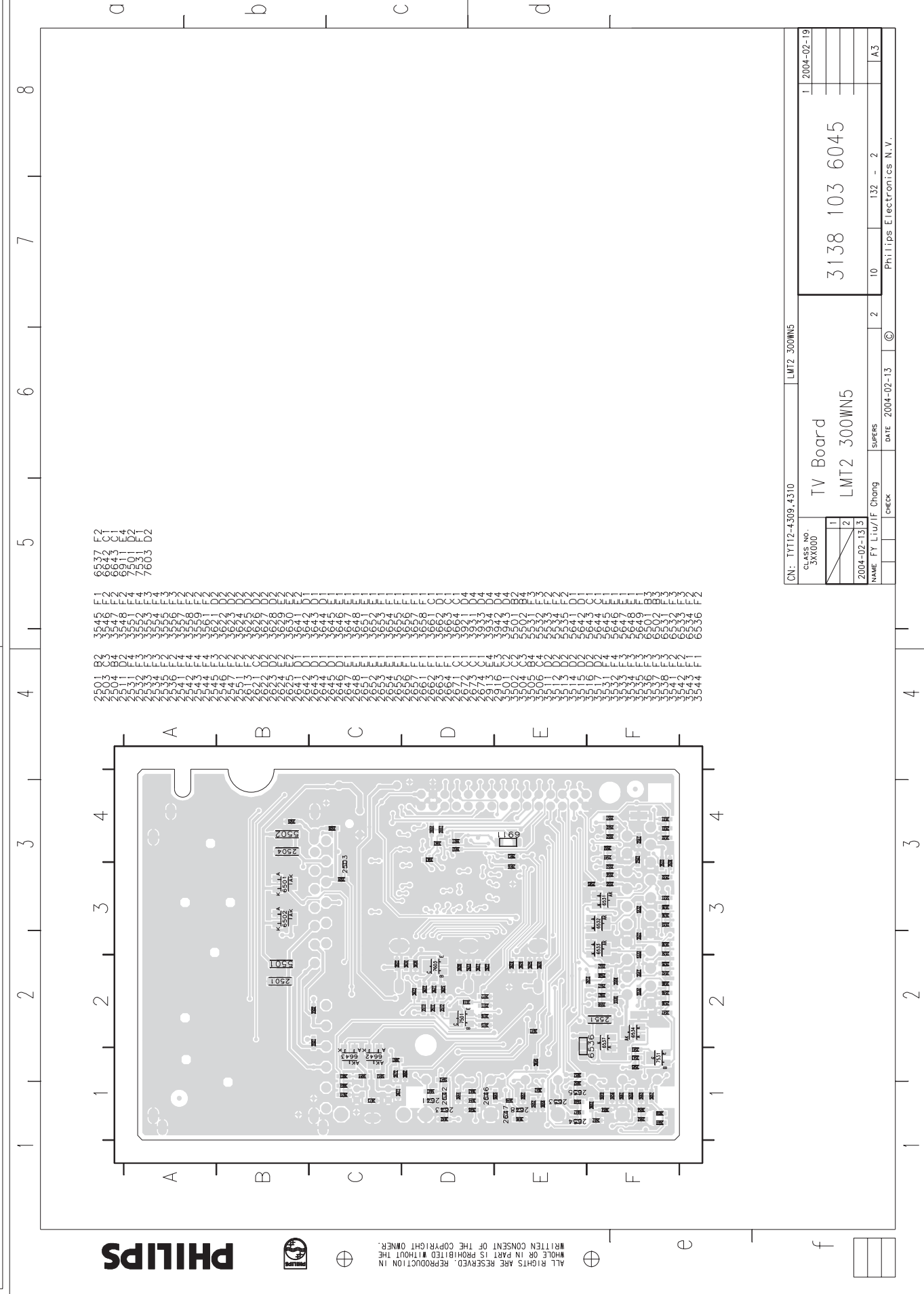
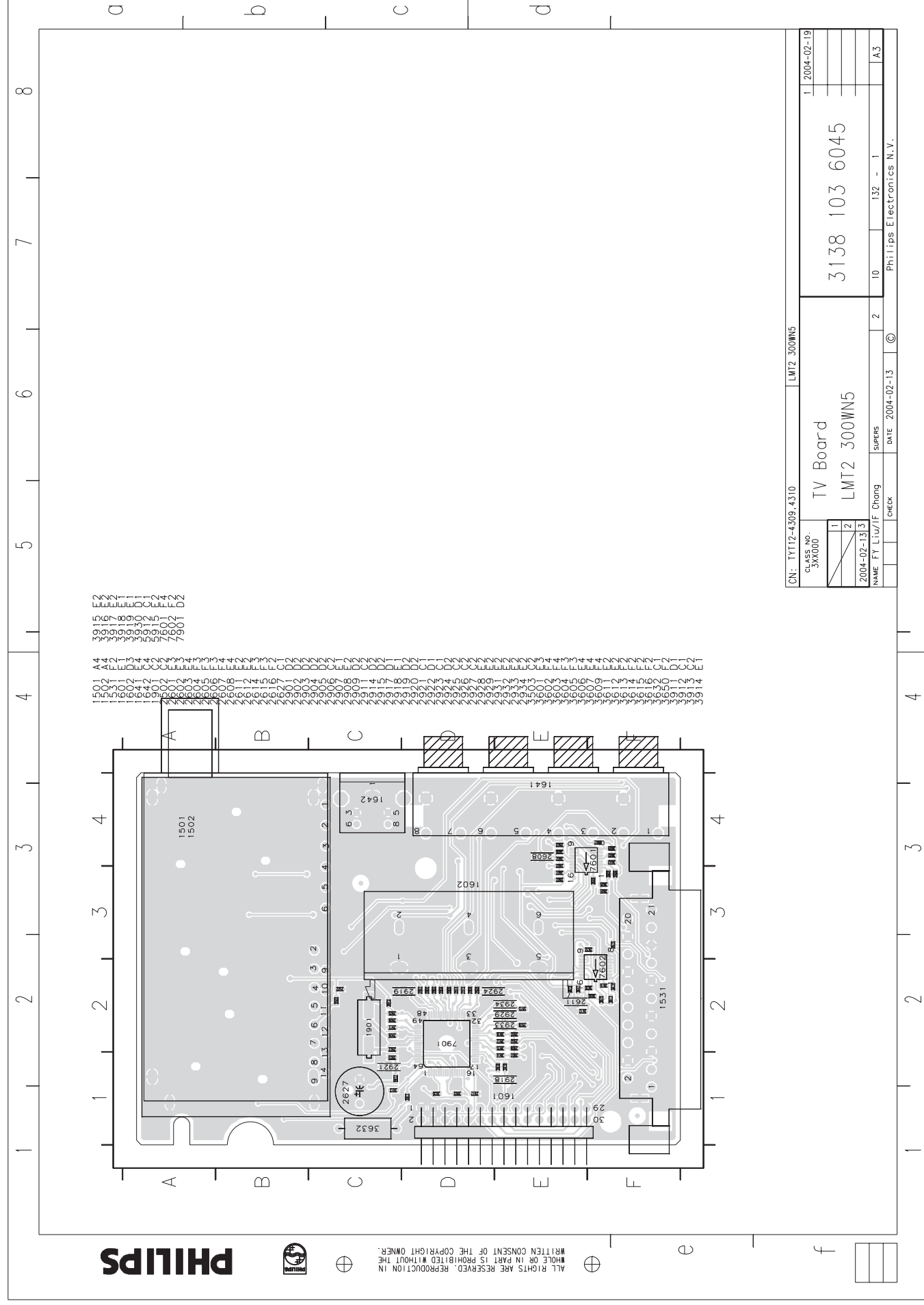
f

|  |  |                                |  |                 |  |   |  |                          |  |            |  |         |  |    |  |
|--|--|--------------------------------|--|-----------------|--|---|--|--------------------------|--|------------|--|---------|--|----|--|
| CN: TYT12                                    |  |                                |  | LMT 300WN5      |  |   |  |                          |  |            |  |         |  |    |  |
| CLASS NO.<br>3XX000                          |  | Scaler Board<br><br>LMT 300WN5 |  |                 |  |   |  | 1                        |  | 2003-12-19 |  |         |  |    |  |
| <div><div></div><div></div><div></div></div> |  |                                |  |                 |  |   |  |                          |  |            |  |         |  |    |  |
|  |  |                                |  |                 |  |   |  |                          |  |            |  |         |  |    |  |
|  |  |                                |  |                 |  |   |  |                          |  |            |  |         |  |    |  |
| 2003-12-19                                   |  | 3                              |  |                 |  |   |  |                          |  |            |  |         |  |    |  |
| NAME Kevin Chuang/Dabby                      |  |                                |  | SUPERS          |  |   |  | 2                        |  | 10         |  | 132 - 2 |  | A3 |  |
|  |  | CHECK                          |  | DATE 2003-12-19 |  | © |  | Philips Electronics N.V. |  |            |  |         |  |    |  |





## TV Box(TV) PCB C.B.A.



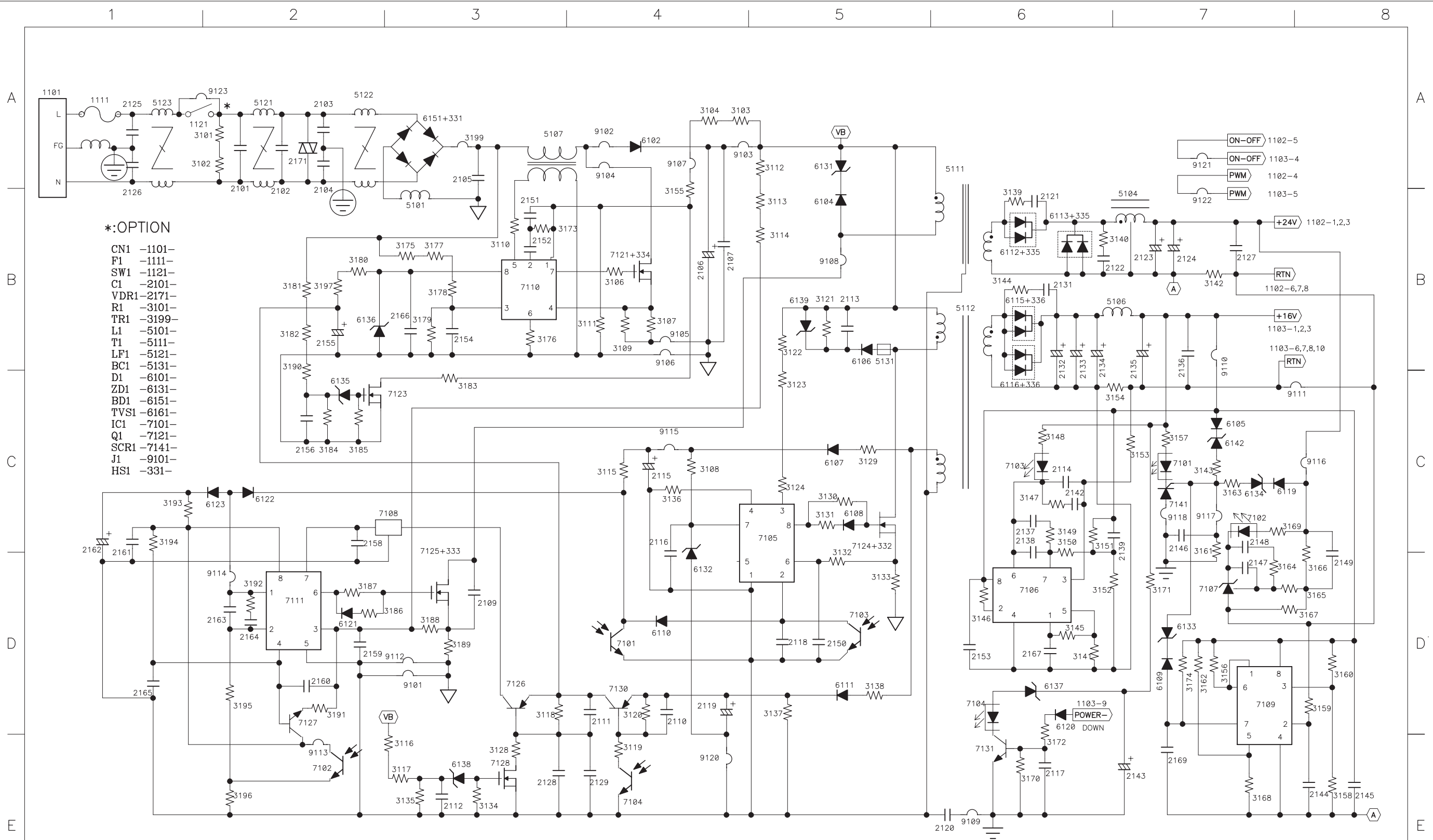


Power Board Diagram

300WN5

75

Go to cover page



Approved:

Designed



DESCRIPTION:

PART NO.:

USED ON

LSE0223B-04XX

DO NOT SCALE

Drawn

FANG

Material:

SHEET

1 of 1

3D FILE

A.4 CHANGE ALL PART NO.

92/10/31

A.3 ADD C25 & C26

92/10/31

A.2 DEL C25-26\*L5\*TVS2

92/10/17

A.1 ADD LF3,J24-J25

92/10/15



UNITS:

mm

A4

SIZE

DATE

92-11-04

Treatment:

DWG NO.

J0223B-04RA4

REV.

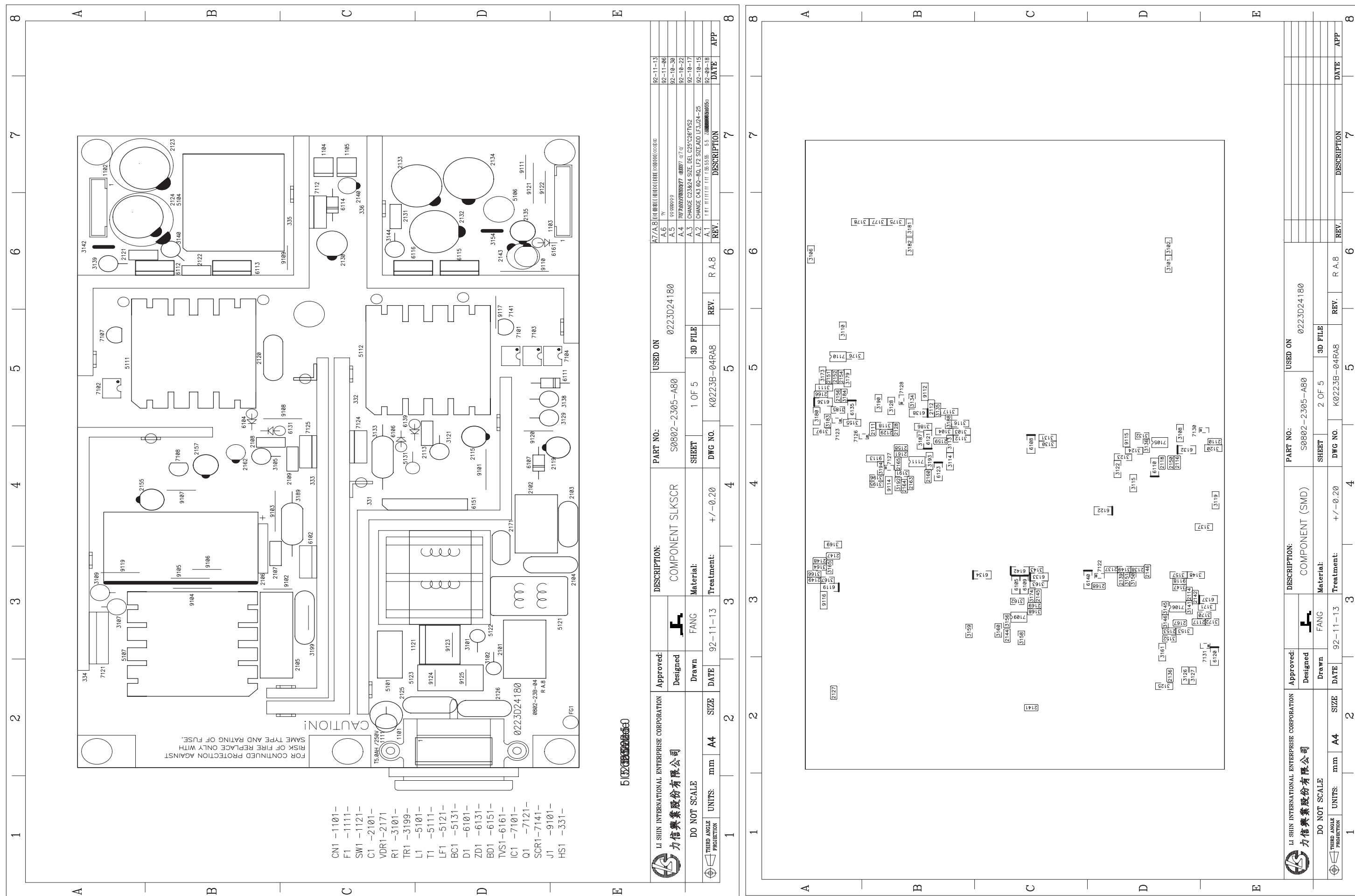
RA.4

REV.

DESCRIPTION

DATE

APP





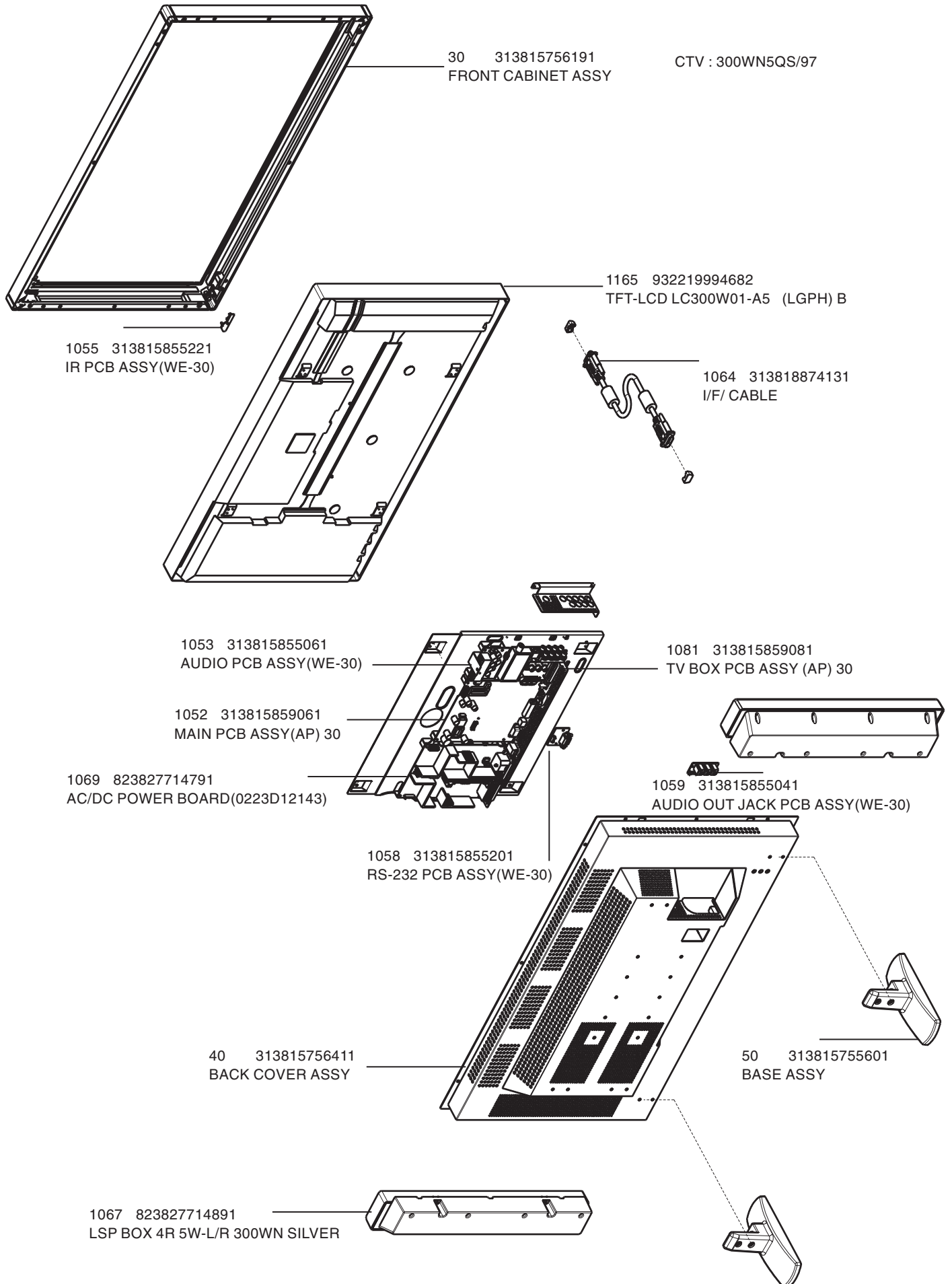
# Exploded View

300WN5

77

Go to cover page

CTV : 300WN5QS/97



 Go to cover page

CTV: 300WN5QS/97

## Mechanical Parts

|     |              |                    |
|-----|--------------|--------------------|
| 30  | 313815756191 | FRONT CABINET ASSY |
| 31  | 313815135441 | FRONT CABINET - AI |
| 32  | 313815412291 | FRONT CORNER-LENS  |
| 33  | 313815412281 | FRONT CORNER-RT    |
| 34  | 313815410821 | LENS               |
| 35  | 313815135331 | PHILIPS LOGO       |
| 40  | 313815756411 | BACK COVER ASSY    |
| 41  | 313815134751 | BACK COVER         |
| 42  | 313815410811 | CONTROL BOTTOM     |
| 50  | 313815755601 | BASE ASSY          |
| 102 | 313810440571 | HOUSING COVER      |

## LCD Panel + Inverter

|      |              |                              |
|------|--------------|------------------------------|
| 1165 | 932219994682 | TFT-LCD LC300W01-A5 (LGPH) B |
|------|--------------|------------------------------|

## Packing

|     |              |             |
|-----|--------------|-------------|
| 450 | 313815637241 | CARTON      |
| 451 | 313815636661 | CUSHION-BTM |
| 452 | 313815636671 | CUSHION-TR  |
| 453 | 313815636681 | CUSHION-TL  |
| 456 | 313810645301 | PE BAG      |

## Accessory

|      |              |                                |
|------|--------------|--------------------------------|
| 601  | 313811706761 | E-D.F.U. ASSY                  |
| 1060 | 313812874931 | MAINSCORD                      |
| 1064 | 313818874131 | I/F/ CABLE                     |
| 1067 | 823827714891 | LSP BOX 4R 5W-L/R 300WN SILVER |
| 1071 | 929900010137 | BAT ZNC 1.5V R6/AA 2-PACK Y    |
| 1072 | 313922889481 | PRODUCT ASSY RC25107/00 PACKED |

## PCB Assy

|      |              |                                |
|------|--------------|--------------------------------|
| 1052 | 313815859061 | MAIN PCB ASSY(AP) 30           |
| 1053 | 313815855061 | AUDIO PCB ASSY(WE-30)          |
| 1054 | 313815855211 | KEY CONTROL PCB ASSY(WE-30)    |
| 1055 | 313815855221 | IR PCB ASSY(WE-30)             |
| 1058 | 313815855201 | RS-232 PCB ASSY(WE-30)         |
| 1059 | 313815855041 | AUDIO OUT JACK PCB ASSY(WE-30) |
| 1069 | 823827714791 | AC/DC POWER BOARD(0223D12143)  |
| 1081 | 313815859081 | TV BOX PCB ASSY (AP) 30        |

## Miscellaneous

|      |              |                                |
|------|--------------|--------------------------------|
| 291  | 313815562341 | LABEL-PC                       |
| 292  | 313815562341 | LABEL-PC                       |
| 295  | 313815562351 | LABEL-TV                       |
| 296  | 313815562351 | LABEL-TV                       |
| 615  | 313811706471 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706481 | HEX CODE OFF/W (NO MATL REQ)   |
| 1087 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1088 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1089 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1090 | 242212802864 | SWI PUSH 2P 0.2A 30V ESB64 B   |
| 1091 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1092 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1093 | 242212803035 | SWI TACT SM 1P 1POS SKQGAB R   |
| 1302 | 243854300096 | RES XTL SM 24M576 16P SMD 49 R |
| 1351 | 242254301371 | RES XTL SM 13M5 20P HC49/S R   |
| 1401 | 243854300092 | OSC XTL SM 14M318 CXO6N R      |
| 1501 | 313914720401 | FRONTEND FQ1216PN/I            |
| 1702 | 272217108815 | OSC XTL SM 12MHZ 15P CXO6N R   |
| 1753 | 243854300087 | RES XTL SM 22M1184 20P HC49/S  |
| 1901 | 242254301372 | RES XTL SM 18M432 16P HC49/S R |
| 8069 | 823827714961 | WIRE INVERTER 8P+15P+15P       |
| 8070 | 823827714921 | WIRE LVDS 20P                  |
| 8075 | 313819870111 | CORD DVI 18+1/1M8/18+1 DVI BK  |
| 8076 | 313818874551 | CORD MD 4/1M8/4 MD M/M BK      |
| 8151 | 823827714931 | WIRE CONTROL 10P+4P+6P         |
| 8152 | 823827714951 | WIRE POWER 10P                 |
| 8156 | 823827714941 | WIRE EARPHONE 8P+5P+2P+2P      |
| 8157 | 823827714971 | WIRE RS232 5P                  |
| 8158 | 823827715041 | WIRE AC SWITCH 2P              |

## Main PCB Assy

|      |              |                                |
|------|--------------|--------------------------------|
| 2002 | 223858619812 | CER2 0603 Y5V 50V 100N P8020 R |
| 2004 | 222278019867 | CER2 0805 Y5V 16V 2U2 P8020 R  |
| 2005 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2006 | 202203500026 | ELCAP TH 25V S 470U PM20 B     |
| 2007 | 202203100074 | ELCAP KM 16V S 1000U PM20 B    |
| 2011 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2013 | 202203500017 | ELCAP TH 25V S 100U PM20 B     |
| 2014 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2015 | 202203100074 | ELCAP KM 16V S 1000U PM20 B    |
| 2016 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2017 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2018 | 202203500017 | ELCAP TH 25V S 100U PM20 B     |
| 2021 | 223858615636 | CER2 0603 X7R 50V 10N PM10 R   |
| 2024 | 202203500026 | ELCAP TH 25V S 470U PM20 B     |
| 2026 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2027 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2028 | 223858619812 | CER2 0603 Y5V 50V 100N P8020 R |
| 2029 | 202203500017 | ELCAP TH 25V S 100U PM20 B     |
| 2097 | 202203500017 | ELCAP TH 25V S 100U PM20 B     |
| 2202 | 223886715568 | CER1 0603 NP0 50V 5P6 PM0P5 R  |
| 2203 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R    |

|      |              |                               |
|------|--------------|-------------------------------|
| 2204 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2205 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2206 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2208 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2211 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2212 | 223886715568 | CER1 0603 NP0 50V 5P6 PM0P5 R |
| 2213 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2214 | 223886715568 | CER1 0603 NP0 50V 5P6 PM0P5 R |
| 2215 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2218 | 222278019867 | CER2 0805 Y5V 16V 2U2 P8020 R |
| 2251 | 223858615631 | CER2 0603 X7R 50V 3N9 PM10 R  |
| 2252 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2253 | 223878615644 | CER2 0603 X7R 16V 39N PM10 R  |
| 2254 | 223858615632 | CER2 0603 X7R 50V 4N7 PM10 R  |
| 2255 | 223858615623 | CER2 0603 X7R 50V 1N PM10 R   |
| 2256 | 223858615632 | CER2 0603 X7R 50V 4N7 PM10 R  |
| 2257 | 223858615632 | CER2 0603 X7R 50V 4N7 PM10 R  |
| 2258 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2263 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2264 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2265 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2271 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2275 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2276 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2278 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2279 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2281 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2283 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2284 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2285 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2287 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2301 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2302 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2303 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2304 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2305 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2306 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2307 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2308 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2309 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2311 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2312 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2313 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2314 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2315 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2316 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2317 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2318 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2319 | 223878615645 | CER2 0603 X7R 16V 47N PM10 R  |
| 2321 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2323 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2324 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2326 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2327 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2328 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2329 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2331 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2332 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2333 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2334 | 223886715159 | CER1 0603 NP0 50V 15P PM5 R   |
| 2335 | 223886715159 | CER1 0603 NP0 50V 15P PM5 R   |
| 2338 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2339 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2342 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2343 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
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| 2346 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2347 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2352 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2353 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2354 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2355 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2356 | 223886715339 | CER1 0603 NP0 50V 33P PM5 R   |
| 2357 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2358 | 223886715339 | CER1 0603 NP0 50V 33P PM5 R   |
| 2359 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2361 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2362 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2363 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2364 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2365 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2366 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2367 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2368 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2369 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2371 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2372 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2373 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2374 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2382 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2383 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |


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|------|--------------|-------------------------------|
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| 2389 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2392 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2393 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2394 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2395 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2396 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2397 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2401 | 223858615623 | CER2 0603 X7R 50V 1N PM10 R   |
| 2402 | 223858615623 | CER2 0603 X7R 50V 1N PM10 R   |
| 2403 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2404 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2405 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
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| 2408 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2409 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2411 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2412 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2413 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2414 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2415 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2416 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2417 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2421 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2422 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2423 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2424 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2425 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2426 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2427 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2428 | 223858615623 | CER2 0603 X7R 50V 1N PM10 R   |
| 2429 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2431 | 223878615649 | CER2 0                        |

# Spare Parts List

300WN5























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|   |              |                               |              |      |              |                                |      |              |                                |
|---|--------------|-------------------------------|--------------|------|--------------|--------------------------------|------|--------------|--------------------------------|
| 2726  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3224 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3437 | 213811291002 | RST SM 0805 JUMP. MAX 0R05 R   |
| 2727  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3225 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3481 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2728  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3226 | 212211805643 | RST SM 0603 RC0603 150R PM5 R  | 3482 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2751  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3227 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3483 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2752  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3228 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3484 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2753  | 223886715159 | CER1 0603 NP0 50V             | 15P PM5 R    | 3229 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3485 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2754  | 223886715159 | CER1 0603 NP0 50V             | 15P PM5 R    | 3230 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3486 | 235003510101 | RST NETW SM ARV24 4X100R PM5 R |
| 2755  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3231 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3487 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 2757  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3234 | 212211805939 | RST SM 0603 RC0603 7K5 PM5 R   | 3488 | 212211805635 | RST SM 0603 RC0603 10R PM5 R   |
| 2801  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3235 | 212211805946 | RST SM 0603 RC0603 180K PM5 R  | 3489 | 212211805635 | RST SM 0603 RC0603 10R PM5 R   |
| 2802  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3236 | 212211805643 | RST SM 0603 RC0603 3K9 PM5 R   | 3491 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 2803  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3237 | 212211805946 | RST SM 0603 RC0603 180K PM5 R  | 3493 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 2804  | 223886715339 | CER1 0603 NP0 50V             | 33P PM5 R    | 3238 | 212211805946 | RST SM 0603 RC0603 180K PM5 R  | 3681 | 232270461002 | RST SM 0603 RC22H 1K PM1 R     |
| 2805  | 223886715339 | CER1 0603 NP0 50V             | 33P PM5 R    | 3239 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3682 | 212211805675 | RST SM 0603 RC0603 27K PM5 R   |
| 2811  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3261 | 212211805661 | RST SM 0603 RC0603 2K2 PM5 R   | 3683 | 232270461002 | RST SM 0603 RC22H 1K PM1 R     |
| 2821  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3264 | 212211805663 | RST SM 0603 RC0603 3K3 PM5 R   | 3684 | 212211805675 | RST SM 0603 RC0603 27K PM5 R   |
| 2822  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3265 | 212211805661 | RST SM 0603 RC0603 2K2 PM5 R   | 3686 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2823  | 223886715159 | CER1 0603 NP0 50V             | 15P PM5 R    | 3266 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3701 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2824  | 223878615649 | CER1 0603 X7R 16V             | 100N PM10 R  | 3267 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3702 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2825  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3271 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3703 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 2826  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3272 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3704 | 212261200066 | NTC DC TTC-103 S 10K PM5 B     |
| 2841  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3273 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3705 | 212211805653 | RST SM 0603 RC0603 560R PM5 R  |
| 2842  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3274 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3708 | 212211805656 | RST SM 0603 RC0603 1K PM5 R    |
| 2843  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3275 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3709 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 2844  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3276 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3711 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2845  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3277 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3712 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2846  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3278 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3713 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2847  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3304 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3715 | 232270463303 | RST SM 0603 RC22H 33K PM1 R    |
| 2848  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3305 | 212211805652 | RST SM 0603 RC0603 470R PM5 R  | 3717 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2849  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3307 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3718 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2851  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3313 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   | 3719 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2852  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3314 | 212211805663 | RST SM 0603 RC0603 3K3 PM5 R   | 3720 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2853  | 223886715471 | CER1 0603 NP0 50V             | 470P PM5 R   | 3315 | 212211805639 | RST SM 0603 RC0603 47R PM5 R   | 3721 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2855  | 202203500017 | ELCAP TH 25V S 100U PM20 B    |              | 3316 | 212211805639 | RST SM 0603 RC0603 47R PM5 R   | 3722 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 2856  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3317 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3723 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 2857  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3318 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3724 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2858  | 222224119876 | CER2 1206 Y5V 10V             | 10U P8020 R  | 3319 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3725 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 2861  | 223886715339 | CER1 0603 NP0 50V             | 33P PM5 R    | 3321 | 212211805639 | RST SM 0603 RC0603 47R PM5 R   | 3726 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2862  | 223886715228 | CER1 0603 NP0 50V             | 2P2 PM0P25 R | 3322 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3727 | 232270462403 | RST SM 0603 RC22H 24K PM1 R    |
| 2863  | 223878615649 | CER2 0603 X7R 16V             | 100N PM10 R  | 3324 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3728 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 2864  | 223886715339 | CER1 0603 NP0 50V             | 33P PM5 R    | 3325 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3729 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
|  |              |                               |              | 3326 | 212211805639 | RST SM 0603 RC0603 47R PM5 R   | 3731 | 212211805645 | RST SM 0603 RC0603 150R PM5 R  |
| 3001  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3332 | 212211805639 | RST SM 0603 RC0603 47R PM5 R   | 3732 | 212211805645 | RST SM 0603 RC0603 150R PM5 R  |
| 3002  | 212211805668 | RST SM 0603 RC0603 8K2 PM5 R  |              | 3350 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3733 | 212211805645 | RST SM 0603 RC0603 150R PM5 R  |
| 3003  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3351 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3734 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3004  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3352 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3735 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3005  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3354 | 212211805652 | RST SM 0603 RC0603 470R PM5 R  | 3736 | 212211805668 | RST SM 0603 RC0603 8K2 PM5 R   |
| 3006  | 212211805674 | RST SM 0603 RC0603 22K PM5 R  |              | 3355 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3737 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3007  | 232270462701 | RST SM 0603 RC22H 270R PM1 R  |              | 3356 | 212211805652 | RST SM 0603 RC0603 470R PM5 R  | 3738 | 235003510472 | RST NETW SM ARV24 4X 47K PM5 R |
| 3008  | 232270466201 | RST SM 0603 RC22H 620R PM1 R  |              | 3357 | 212211805652 | RST SM 0603 RC0603 470R PM5 R  | 3739 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3009  | 212211805674 | RST SM 0603 RC0603 22K PM5 R  |              | 3361 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3740 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3011  | 232270466201 | RST SM 0603 RC22H 620R PM1 R  |              | 3362 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3741 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3012  | 232270466201 | RST SM 0603 RC22H 620R PM1 R  |              | 3363 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3742 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3013  | 232270465101 | RST SM 0603 RC22H 510R PM1 R  |              | 3364 | 212211805687 | RST SM 0603 RC0603 470K PM5 R  | 3743 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3015  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3368 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   | 3744 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3016  | 212211805682 | RST SM 0603 RC0603 82K PM5 R  |              | 3369 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3745 | 212211805656 | RST SM 0603 RC0603 1K PM5 R    |
| 3017  | 212211805683 | RST SM 0603 RC0603 100K PM5 R |              | 3371 | 212211805637 | RST SM 0603 RC0603 22R PM5 R   | 3751 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3018  | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |              | 3372 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3752 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3020  | 232271191032 | RST SM 1206 JUMP. MAX 0R05 R  |              | 3373 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3753 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3022  | 212010593648 | RST MOX 2W RSS S 4R7 PM5 B    |              | 3374 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3754 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3023  | 232270461601 | RST SM 0603 RC22H 160R PM1 R  |              | 3375 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3756 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3024  | 232270465102 | RST SM 0603 RC22H 5K1 PM1 R   |              | 3376 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3757 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3025  | 232270466201 | RST SM 0603 RC22H 620R PM1 R  |              | 3377 | 235003510479 | RST NETW SM ARV24 4X 47R PM5 R | 3758 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3029  | 212010593647 | RST MOX 2W RSS S 2R7 PM5 B    |              | 3381 | 212211805637 | RST SM 0603 RC0603 22R PM5 R   | 3761 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3034  | 213810500082 | RST MOX 1W RSS S 0R82 PM5 B   |              | 3382 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   | 3762 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3037  | 213810500082 | RST MOX 1W RSS S 0R82 PM5 B   |              | 3384 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3763 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3039  | 212211805643 | RST SM 0603 RC0603 100R PM5 R |              | 3385 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   | 3764 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3041  | 232270461502 | RST SM 0603 RC22H 1K5 PM1 R   |              | 3401 | 212211805635 | RST SM 0603 RC0603 10R PM5 R   | 3765 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3042  | 232270260201 | RST SM 0603 RC21 200R PM5 R   |              | 3402 | 212211805635 | RST SM 0603 RC0603 10R PM5 R   | 3766 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3043  | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |              | 3403 | 212211805635 | RST SM 0603 RC0603 10R PM5 R   | 3768 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3045  | 212211805685 | RST SM 0603 RC0603 220K PM5 R |              | 3404 | 212211805645 | RST SM 0603 RC0603 150R PM5 R  | 3769 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R   |
| 3046  | 212211805683 | RST SM 0603 RC0603 100K PM5 R |              | 3405 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  | 3772 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3047  | 212211805684 | RST SM 0603 RC0603 150K PM5 R |              | 3406 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3801 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3203  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R  |              | 3407 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3802 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3205  | 212211805661 | RST SM 0603 RC0603 2K2 PM5 R  |              | 3408 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3803 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3206  | 212211805661 | RST SM 0603 RC0603 2K2 PM5 R  |              | 3409 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   | 3804 | 212211805643 | RST SM 0603 RC0603 100R PM5 R  |
| 3207  | 212211805692 |                               |              |      |              |                                |      |              |                                |



Spare Parts List

|  |              |                      |               |   |              |                        |                    |   |              |                          |              |
|--|--------------|----------------------|---------------|---|--------------|------------------------|--------------------|---|--------------|--------------------------|--------------|
| 3849   | 212211805631 | RST SM 0603 JUMP.    | MAX 0R05 R    | 7302  | 935267395518 | IC SM SAA7118E/V1      | (PHSE) R           | 5955  | 313816874261 | TI321611G800-SMD         |              |
| 3852   | 212211805631 | RST SM 0603 JUMP.    | MAX 0R05 R    | 7351  | 932219049671 | IC SM FLI2300-AB       | (GEMI) Y           | 5956  | 313816874261 | TI321611G800-SMD         |              |
| 3854   | 212211805631 | RST SM 0603 JUMP.    | MAX 0R05 R    | 7352  | 823827712951 | IC SM HY57V643220CT-6  |                    |    |              |                          |              |
| 3861   | 212211805639 | RST SM 0603 RC0603   | 47R PM5 R     | 7402  | 932220135671 | IC SM JAGAS-AE         | (GEMI) Y           | 6947  | 933913910115 | DIO SIG SM BAS32L        | (PHSE) R     |
| 3862   | 212211805639 | RST SM 0603 RC0603   | 47R PM5 R     | 7403  | 932217438685 | TRA SIG SM BC847C      | (KECO) R           | 6948  | 933913910115 | DIO SIG SM BAS32L        | (PHSE) R     |
| 3863   | 212211805639 | RST SM 0603 RC0603   | 47R PM5 R     | 7471  | 932219576671 | IC SM M12L64322A-7T    | (ESMT) Y           |    |              |                          |              |
| 3864   | 212211805639 | RST SM 0603 RC0603   | 47R PM5 R     | 7491  | 932217686668 | IC SM THC63LVD83A      | (THIN) R           | 7947  | 935261847112 | IC TDA1517/N3            | (PHSE) L     |
| 3865   | 212211805639 | RST SM 0603 RC0603   | 47R PM5 R     | 7681  | 932213067676 | IC L78L08ACZ           | (ST00) A           | 7948  | 932217438685 | TRA SIG SM BC847C        | (KECO) R     |
| 3868   | 232271161228 | RST SM 1206 RC01     | 2R2 PM5 R     | 7701  | 823827712931 | IC SAA5562 PS/M3       |                    | 7952  | 932217438685 | TRA SIG SM BC847C        | (KECO) R     |
|    |              |                      |               | 7702  | 935210550118 | IC SM 74LVC163DB       | (PHSE) R           | 7953  | 935172510112 | IC TDA1308/N1            | (PHSE) L     |
| 5001   | 313816877221 | DRUM CHOKE           | 68UH/3A       | 7703  | 935250000118 | IC SM 74LVC02ADB       | (PHSE) R           | Key Control PCB Assy  |              |                          |              |
| 5005   | 313816874261 | TI321611G800-SMD     |               | 7721  | 932219334685 | IC SM LM810M3-2.93     | (NSCO) R           |    |              |                          |              |
| 5006   | 313816874261 | TI321611G800-SMD     |               | 7722  | 932214725682 | IC M24C16-WBN6         | (ST00) L           | 2091  | 222224119876 | CER2 1206 Y5V 10V        | 10U P8020 R  |
| 5011   | 313816874261 | TI321611G800-SMD     |               | 7751  | 935218650118 | IC SM 74LVC373APW      | (PHSE) R           | 2093  | 223878615649 | CER2 0603 X7R 16V        | 100N PM10 R  |
| 5013   | 242253600036 | IND FXD TSL0808 S    | 100U PM10 A   | 7753  | 932220056682 | IC SM MX10E8050XQC     | (MACR) L           | 2094  | 223878615649 | CER2 0603 X7R 16V        | 100N PM10 R  |
| 5201   | 313816874261 | TI321611G800-SMD     |               | 7754  | 932219106682 | IC SM AT49LV002NT-90JC | (ATME)L            |    |              |                          |              |
| 5202   | 313816874261 | TI321611G800-SMD     |               | 7755  | 932216554668 | IC SM 74LCX139T        | (ST00) R           | 3086  | 232270462202 | RST SM 0603 RC22H        | 2K2 PM1 R    |
| 5203   | 313816874261 | TI321611G800-SMD     |               | 7801  | 932214526668 | IC SM M24C02-WMN6      | (ST00) R           | 3087  | 232270465103 | RST SM 0603 RC22H        | 51K PM1 R    |
| 5204   | 313816874261 | TI321611G800-SMD     |               | 7802  | 932220012668 | IC SM TC74LVX4053FT    | (TOSJ) R           | 3088  | 232270462703 | RST SM 0603 RC22H        | 27K PM1 R    |
| 5205   | 313816874261 | TI321611G800-SMD     |               | 7821  | 932219513668 | IC SM M74HC590M        | (ST00) R           | 3089  | 232270461203 | RST SM 0603 RC22H        | 12K PM1 R    |
| 5206   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 7822  | 932215366668 | IC SM CY7C199-15ZC     | (CYPFR) R          | 3091  | 232270461004 | RST SM 0603 RC22H        | 100K PM1 R   |
| 5251   | 313816874261 | TI321611G800-SMD     |               | 7823  | 935187000118 | IC SM 74HC573PW        | (PHSE) R           |    |              |                          |              |
| 5257   | 313816874261 | TI321611G800-SMD     |               | 7824  | 935187000118 | IC SM 74HC573PW        | (PHSE) R           | IR PCB Assy   |              |                          |              |
| 5258   | 313816874261 | TI321611G800-SMD     |               | 7825  | 932219513668 | IC SM M74HC590M        | (ST00) R           |    |              |                          |              |
| 5301   | 313816874261 | TI321611G800-SMD     |               | 7826  | 932210315685 | TRA SIG SM MMBT2369AL  | (ONSE) R           | 2071  | 223858619812 | CER2 0603 Y5V 50V        | 100N P8020 R |
| 5302   | 313816874261 | TI321611G800-SMD     |               | 7842  | 932220098671 | IC SM SII151BCT100     | (SIIM) Y           | 2072  | 223858619812 | CER2 0603 Y5V 50V        | 100N P8020 R |
| 5303   | 313816874261 | TI321611G800-SMD     |               | Audio PCB Assy  |              |                        |                    |    |              |                          |              |
| 5304   | 313816874261 | TI321611G800-SMD     |               |    |              |                        |                    | 3071  | 212211805658 | RST SM 0603 RC0603       | 1K5 PM5 R    |
| 5351   | 313816874261 | TI321611G800-SMD     |               | 2956  | 223824615654 | CER2 0603 X7R 10V      | 220N PM10 R        | 3072  | 212211805665 | RST SM 0603 RC0603       | 4K7 PM5 R    |
| 5352   | 313816874261 | TI321611G800-SMD     |               | 2957  | 223886715101 | CER1 0603 NP0 50V      | 100P PM5 R         | 3073  | 212211805647 | RST SM 0603 RC0603       | 220R PM5 R   |
| 5353   | 313816874261 | TI321611G800-SMD     |               | 2958  | 202203100227 | ELCAP KM               | 25V S 100U PM20 B  | 3074  | 212211805647 | RST SM 0603 RC0603       | 220R PM5 R   |
| 5354   | 313816874261 | TI321611G800-SMD     |               | 2959  | 202203100068 | ELCAP GL               | 25V S 470U PM20 B  |  |              |                          |              |
| 5355   | 313816874261 | TI321611G800-SMD     |               | 2960  | 202203100068 | ELCAP GL               | 25V S 470U PM20 B  | 6071  | 932219711682 | OPT SEN L-97DSP7C        | (KIEL) B     |
| 5356   | 313816874261 | TI321611G800-SMD     |               | 2961  | 223891015649 | CER2 0805 X7R 25V      | 100N PM10 R        | 6072  | 932219382682 | LED VS L-3WSYKPBW        | (KIEL) B     |
| 5357   | 313816874261 | TI321611G800-SMD     |               | 2962  | 202203100068 | ELCAP GL               | 25V S 470U PM20 B  | 6073  | 932220313667 | IR RECEIVER TSOP34136SB1 | L            |
| 5401   | 313816874261 | TI321611G800-SMD     |               | 2963  | 202203100132 | ELCAP LZ               | 25V S 1000U PM20 B |  |              |                          |              |
| 5402   | 313816874261 | TI321611G800-SMD     |               | 2964  | 202203100132 | ELCAP LZ               | 25V S 1000U PM20 B | 7071  | 933967380685 | TRA SIG SM BC858C        | (ONSE) R     |
| 5403   | 313816874261 | TI321611G800-SMD     |               | 2965  | 202203100213 | ELCAP KM               | 25V S 47U PM20 B   | RS232 PCB Assy  |              |                          |              |
| 5404   | 313816874261 | TI321611G800-SMD     |               | 2966  | 223824615654 | CER2 0603 X7R 10V      | 220N PM10 R        |  |              |                          |              |
| 5405   | 313816874261 | TI321611G800-SMD     |               | 2967  | 223886715101 | CER1 0603 NP0 50V      | 100P PM5 R         | 2081  | 223878615649 | CER2 0603 X7R 16V        | 100N PM10 R  |
| 5406   | 313816874261 | TI321611G800-SMD     |               | 2973  | 223858615623 | CER2 0603 X7R 50V      | 1N PM10 R          | 2082  | 222224119876 | CER2 1206 Y5V 10V        | 10U P8020 R  |
| 5407   | 313816874261 | TI321611G800-SMD     |               | 2974  | 223858615623 | CER2 0603 X7R 50V      | 1N PM10 R          | 2085  | 222278019763 | CER2 0805 Y5V 16V        | 1U PM20 R    |
| 5408   | 313816874261 | TI321611G800-SMD     |               | 2975  | 223858615636 | CER2 0603 X7R 50V      | 10N PM10 R         | 2086  | 222278019763 | CER2 0805 Y5V 16V        | 1U PM20 R    |
| 5411   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2976  | 202203100126 | ELCAP TB               | 16V S 220U PM20 B  | 2087  | 222278019763 | CER2 0805 Y5V 16V        | 1U PM20 R    |
| 5412   | 313816874261 | TI321611G800-SMD     |               | 2977  | 223886715101 | CER1 0603 NP0 50V      | 100P PM5 R         | 2088  | 222278019763 | CER2 0805 Y5V 16V        | 1U PM20 R    |
| 5473   | 313816874261 | TI321611G800-SMD     |               | 2978  | 223824619863 | CER2 0603 Y5V 10V      | 1U P8020 R         | 2089  | 222278019763 | CER2 0805 Y5V 16V        | 1U PM20 R    |
| 5474   | 313816874261 | TI321611G800-SMD     |               | 2979  | 222224119876 | CER2 1206 Y5V 10V      | 10U P8020 R        |  |              |                          |              |
| 5491   | 242254942103 | IND FXD 0805 EMI     | 100MHZ 2K2 R  | 2980  | 223878615649 | CER2 0603 X7R 16V      | 100N PM10 R        | 3081  | 212211805652 | RST SM 0603 RC0603       | 470R PM5 R   |
| 5494   | 242254942103 | IND FXD 0805 EMI     | 100MHZ 2K2 R  | 2981  | 222224119876 | CER2 1206 Y5V 10V      | 10U P8020 R        | 3082  | 212211805652 | RST SM 0603 RC0603       | 470R PM5 R   |
| 5495   | 313816874261 | TI321611G800-SMD     |               | 2982  | 223886715101 | CER1 0603 NP0 50V      | 100P PM5 R         |  |              |                          |              |
| 5496   | 242254942103 | IND FXD 0805 EMI     | 100MHZ 2K2 R  | 2983  | 223824619863 | CER2 0603 Y5V 10V      | 1N P8020 R         | 6083  | 933215370215 | DIO SIG SM BAV99         | (PHSE) R     |
| 5701   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2984  | 202203100126 | ELCAP EB               | 16V S 220U PM20 B  | 6084  | 933215370215 | DIO SIG SM BAV99         | (PHSE) R     |
| 5721   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2985  | 223858615636 | CER2 0603 X7R 50V      | 10N PM10 R         |  |              |                          |              |
| 5722   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2986  | 223891619849 | CER2 0603 Y5V 25V      | 100N P8020 R       | 7081  | 823827714861 | IC SMDS14C232            |              |
| 5723   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2990  | 223858615623 | CER2 0603 X7R 50V      | 1N PM10 R          | 7082  | 932208234676 | IC L78L05ACZ             | (ST00) A     |
| 5724   | 242253595853 | IND FXD SM 0603      | 0U10 PM10 R   | 2991  | 223858615623 | CER2 0603 X7R 50V      | 1N PM10 R          | Audio Out Jack PCB Assy   |              |                          |              |
| 5752   | 313816874261 | TI321611G800-SMD     |               |  |              |                        |                    |  |              |                          |              |
| 5801   | 242254944197 | IND FXD 0805 EMI     | 100MHZ 220R R | 3974  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          | 2293  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 5821   | 313816874261 | TI321611G800-SMD     |               | 3975  | 212211805656 | RST SM 0603 RC0603     | 1K PM5 R           | 2294  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 5842   | 242254943409 | IND FXD 1206 EMI     | 100MHZ 50R R  | 3976  | 232273462001 | RST SM 0805 RC12H      | 200R PM1 R         | 2991  | 223858615634 | CER2 0603 X7R 50V        | 6N8 PM10 R   |
| 5843   | 242254943409 | IND FXD 1206 EMI     | 100MHZ 50R R  | 3977  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          | 2992  | 223858615634 | CER2 0603 X7R 50V        | 6N8 PM10 R   |
| 5844   | 242254943409 | IND FXD 1206 EMI     | 100MHZ 50R R  | 3978  | 212211805656 | RST SM 0603 RC0603     | 1K PM5 R           | Audio Out Jack PCB Assy   |              |                          |              |
|  |              |                      |               | 3979  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          |  |              |                          |              |
| 6001   | 933770400215 | DIO REG SM BZX84-B16 | (PHSE) R      | 3980  | 212211805665 | RST SM 0603 RC0603     | 4K7 PM5 R          | 2293  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 6002   | 932208282668 | DIO REC SM SS34      | (VISH) R      | 3982  | 212211805669 | RST SM 0603 RC0603     | 10K PM5 R          | 2294  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 6098   | 932215579685 | DIO REC SM EC31QS04  | (NIEC) R      | 3983  | 212211805671 | RST SM 0603 RC0603     | 12K PM5 R          | 2991  | 223858615634 | CER2 0603 X7R 50V        | 6N8 PM10 R   |
| 6211   | 933913910115 | DIO SIG SM BAS32L    | (PHSE) R      | 3984  | 212211805671 | RST SM 0603 RC0603     | 12K PM5 R          | 2992  | 223858615634 | CER2 0603 X7R 50V        | 6N8 PM10 R   |
| 6212   | 933913910115 | DIO SIG SM BAS32L    | (PHSE) R      | 3985  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          |  |              |                          |              |
| 6811   | 933913910115 | DIO SIG SM BAS32L    | (PHSE) R      | 3986  | 212211805631 | RST SM 0603 JUMP.      | MAX 0R05 R         | 7081  | 823827714861 | IC SMDS14C232            |              |
| 6812   | 933913910115 | DIO SIG SM BAS32L    | (PHSE) R      | 3987  | 212211805671 | RST SM 0603 RC0603     | 12K PM5 R          | 7082  | 932208234676 | IC L78L05ACZ             | (ST00) A     |
|  |              |                      |               | 3988  | 212211805671 | RST SM 0603 RC0603     | 12K PM5 R          | Audio Out Jack PCB Assy   |              |                          |              |
| 7001   | 932215923668 | IC SM LM2596SX-5.0   | (NSCO) R      | 3990  | 212211805669 | RST SM 0603 RC0603     | 10K PM5 R          |  |              |                          |              |
| 7002   | 932217438685 | TRA SIG SM BC847C    | (KECO) R      | 3991  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          | 2293  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 7003   | 932217438685 | TRA SIG SM BC847C    | (KECO) R      | 3992  | 212211805674 | RST SM 0603 RC0603     | 22K PM5 R          | 2294  | 223858615623 | CER2 0603 X7R 50V        | 1N PM10 R    |
| 7004   | 932217438685 | TRA SIG SM BC847C    | (KECO) R      | 3993  | 212211805631 | RST SM 0603 JUMP.      | MAX 0R05 R         | 2991  | 223858615634 | CER2 0603 X7R 50V        | 6N8 PM10 R   |

## Spare Parts List

300WN5

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## TV Box PCB Assy(TV)



|      |              |                      |             |
|------|--------------|----------------------|-------------|
| 2501 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2502 | 223886715479 | CER1 0603 NP0 50V    | 47P PM5 R   |
| 2503 | 223886715101 | CER1 0603 NP0 50V    | 100P PM5 R  |
| 2504 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2511 | 223886715229 | CER1 0603 NP0 50V    | 22P PM5 R   |
| 2621 | 223886715229 | CER1 0603 NP0 50V    | 22P PM5 R   |
| 2622 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2623 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2624 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2625 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2627 | 202203100074 | ELCAP KM 16V S 1000U | PM20 B      |
| 2641 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2642 | 223886715121 | CER1 0603 NP0 50V    | 120P PM5 R  |
| 2643 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2644 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2645 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2646 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2647 | 223886715121 | CER1 0603 NP0 50V    | 120P PM5 R  |
| 2648 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2651 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2652 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2653 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2654 | 223886715121 | CER1 0603 NP0 50V    | 120P PM5 R  |
| 2655 | 223886715689 | CER1 0603 NP0 50V    | 68P PM5 R   |
| 2656 | 223886715101 | CER1 0603 NP0 50V    | 100P PM5 R  |
| 2657 | 223886715229 | CER1 0603 NP0 50V    | 22P PM5 R   |
| 2661 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2662 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2663 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2664 | 223886715331 | CER1 0603 NP0 50V    | 330P PM5 R  |
| 2671 | 223886715101 | CER1 0603 NP0 50V    | 100P PM5 R  |
| 2672 | 223886715229 | CER1 0603 NP0 50V    | 22P PM5 R   |
| 2673 | 223886715101 | CER1 0603 NP0 50V    | 100P PM5 R  |
| 2674 | 223886715229 | CER1 0603 NP0 50V    | 22P PM5 R   |
| 2901 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2902 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2903 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2904 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2905 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2906 | 223886715159 | CER1 0603 NP0 50V    | 15P PM5 R   |
| 2907 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2908 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2909 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2911 | 223886715479 | CER1 0603 NP0 50V    | 47P PM5 R   |
| 2913 | 223858615632 | CER2 0603 X7R 50V    | 4N7 PM10 R  |
| 2914 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2915 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2916 | 223858615632 | CER2 0603 X7R 50V    | 4N7 PM10 R  |
| 2917 | 223824615654 | CER2 0603 X7R 10V    | 220N PM10 R |
| 2918 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2919 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2920 | 223878615649 | CER2 0603 X7R 16V    | 100N PM10 R |
| 2921 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2922 | 223886715471 | CER1 0603 NP0 50V    | 470P PM5 R  |
| 2923 | 223878615649 | CER2 0603 X7R 16V    | 100N PM10 R |
| 2924 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2925 | 223878615649 | CER2 0603 X7R 16V    | 100N PM10 R |
| 2926 | 223886715159 | CER1 0603 NP0 50V    | 15P PM5 R   |
| 2927 | 223886715159 | CER1 0603 NP0 50V    | 15P PM5 R   |
| 2928 | 223878615649 | CER2 0603 X7R 16V    | 100N PM10 R |
| 2929 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2931 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2932 | 223824619863 | CER2 0603 Y5V 10V    | 1U P8020 R  |
| 2933 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |
| 2934 | 222224119876 | CER2 1206 Y5V 10V    | 10U P8020 R |



|      |              |                    |            |
|------|--------------|--------------------|------------|
| 3501 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3502 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3503 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R |
| 3504 | 232270260189 | RST SM 0603 RC21   | 18R PM5 R  |
| 3505 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R |
| 3511 | 212211805665 | RST SM 0603 RC0603 | 4K7 PM5 R  |
| 3512 | 212211805635 | RST SM 0603 RC0603 | 10R PM5 R  |
| 3513 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3514 | 232270467509 | RST SM 0603 RC22H  | 75R PM1 R  |
| 3515 | 212211805665 | RST SM 0603 RC0603 | 4K7 PM5 R  |
| 3516 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R   |
| 3517 | 232270467509 | RST SM 0603 RC22H  | 75R PM1 R  |
| 3621 | 212211805665 | RST SM 0603 RC0603 | 4K7 PM5 R  |
| 3622 | 212211805635 | RST SM 0603 RC0603 | 10R PM5 R  |
| 3623 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3624 | 212211805639 | RST SM 0603 RC0603 | 47R PM5 R  |
| 3625 | 212211805665 | RST SM 0603 RC0603 | 4K7 PM5 R  |
| 3626 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R   |
| 3627 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3628 | 212211805685 | RST SM 0603 RC0603 | 220K PM5 R |
| 3629 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R |
| 3630 | 212211805685 | RST SM 0603 RC0603 | 220K PM5 R |

|      |              |                    |              |
|------|--------------|--------------------|--------------|
| 3632 | 213810500082 | RST MOX 1W RSS     | S 0R82 PM5 B |
| 3641 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3642 | 232270467509 | RST SM 0603 RC22H  | 75R PM1 R    |
| 3643 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R     |
| 3644 | 212211805675 | RST SM 0603 RC0603 | 27K PM5 R    |
| 3645 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3646 | 232270467509 | RST SM 0603 RC22H  | 75R PM1 R    |
| 3647 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R     |
| 3648 | 212211805675 | RST SM 0603 RC0603 | 27K PM5 R    |
| 3650 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3651 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3652 | 232270467509 | RST SM 0603 RC22H  | 75R PM1 R    |
| 3653 | 232270260189 | RST SM 0603 RC21   | 18R PM5 R    |
| 3654 | 232270260569 | RST SM 0603 RC21   | 56R PM5 R    |
| 3655 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R     |
| 3656 | 212211805675 | RST SM 0603 RC0603 | 27K PM5 R    |
| 3657 | 232270461002 | RST SM 0603 RC22H  | 1K PM1 R     |
| 3658 | 212211805675 | RST SM 0603 RC0603 | 27K PM5 R    |
| 3661 | 232270260189 | RST SM 0603 RC21   | 18R PM5 R    |
| 3662 | 232270260569 | RST SM 0603 RC21   | 56R PM5 R    |
| 3663 | 232270260189 | RST SM 0603 RC21   | 18R PM5 R    |
| 3664 | 232270260569 | RST SM 0603 RC21   | 56R PM5 R    |
| 3911 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3912 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3913 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3914 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3915 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3916 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3917 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3918 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3919 | 212211805643 | RST SM 0603 RC0603 | 100R PM5 R   |
| 3921 | 212211805675 | RST SM 0603 RC0603 | 27K PM5 R    |
| 3930 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3931 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3933 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |
| 3934 | 212211805631 | RST SM 0603 JUMP.  | MAX 0R05 R   |



|      |              |                  |             |
|------|--------------|------------------|-------------|
| 5501 | 313816874261 | TI321611G800-SMD |             |
| 5502 | 313816874261 | TI321611G800-SMD |             |
| 5641 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5642 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5643 | 242253595853 | IND FXD SM 0603  | 0U10 PM10 R |
| 5644 | 242253595853 | IND FXD SM 0603  | 0U10 PM10 R |
| 5645 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5646 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5647 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5648 | 242253594565 | IND FXD SM 0603  | 0U56 PM10 R |
| 5649 | 242253595853 | IND FXD SM 0603  | 0U10 PM10 R |
| 5912 | 242253595853 | IND FXD SM 0603  | 0U10 PM10 R |
| 5915 | 242253595853 | IND FXD SM 0603  | 0U10 PM10 R |



|      |              |                        |          |
|------|--------------|------------------------|----------|
| 6911 | 933913910115 | DIO SIG SM BAS32L      | (PHSE) R |
| 7501 | 932217438685 | TRA SIG SM BC847C      | (KECO) R |
| 7603 | 932217438685 | TRA SIG SM BC847C      | (KECO) R |
| 7901 | 932220048702 | IC SM MSP3410G-QI-B8V3 | (MIAS)Y  |



|                              |              |                        |          |
|------------------------------|--------------|------------------------|----------|
| 7501                         | 932217438685 | TRA SIG SM BC847C      | (KECO) R |
| 7603                         | 932217438685 | TRA SIG SM BC847C      | (KECO) R |
| 7901                         | 932220048702 | IC SM MSP3410G-QI-B8V3 | (MIAS)Y  |
| Recommended spare parts list |              |                        |          |
| Mechanical Parts             |              |                        |          |
| 30                           | 313815756191 | FRONT CABINET ASSY     |          |
| 40                           | 313815756411 | BACK COVER ASSY        |          |
| 50                           | 313815755601 | BASE ASSY              |          |

|               |              |                                 |
|---------------|--------------|---------------------------------|
| Packing       |              |                                 |
| 450           | 313815637241 | CARTON                          |
| 451           | 313815636661 | CUSHION-BTM                     |
| 452           | 313815636671 | CUSHION-TR                      |
| 453           | 313815636681 | CUSHION-TL                      |
| Accessory     |              |                                 |
| 601           | 313811706761 | E-D.F.U. ASSY                   |
| 1060          | 313812874931 | MAINSKORD                       |
| 1064          | 313818874131 | I/F/ CABLE                      |
| 1067          | 823827714891 | LSP BOX 4R 5W-L/R 300WN SILVER  |
| 1071          | 929900010137 | BAT ZNC 1.5V R6/AA 2-PACK Y     |
| 1072          | 313922889481 | PRODUCT ASSY RC25107/00 PACKED  |
| PCB Assy      |              |                                 |
| 1069          | 823827714791 | AC/DC POWER BOARD(0223D12143)   |
| Miscellaneous |              |                                 |
| 291           | 313815562341 | LABEL-PC                        |
| 292           | 313815562341 | LABEL-PC                        |
| 295           | 313815562351 | LABEL-TV                        |
| 296           | 313815562351 | LABEL-TV                        |
| 615           | 313811706471 | HEX CODE OFF/W (NO MATL REQ)    |
| 616           | 313811706481 | HEX CODE OFF/W (NO MATL REQ)    |
| 1302          | 243854300096 | RES XTL SM 24M576 16P SMD-49 R  |
| 1351          | 242254301371 | RES XTL SM 13M5 20P HC49/S R    |
| 1401          | 243854300092 | OSC XTL SM 14M318 CXO6N R       |
| 1501          | 313914720401 | FRONTEND FQ1216PNI/             |
| 1702          | 272217108815 | OSC XTL SM 12MHZ 15P CXO6N R    |
| 1753          | 243854300087 | RES XTL SM 22M1184 20P HC49/S R |
| 1901          | 242254301372 | RES XTL SM 18M432 16P HC49/S R  |
| 8069          | 823827714961 | WIRE INVERTER 8P+15P+15P        |
| 8070          | 823827714921 | WIRE LVDS 20P                   |
| 8075          | 313819870111 | CORD DVI 18+1/1M8/18+1 DVI BK   |
| 8076          | 313818874551 | CORD MD 4/1M8/4 MD M/M BK       |
| 8151          | 823827714931 | WIRE CONTROL 10P+4P+6P          |
| 8152          | 823827714951 | WIRE POWER 10P                  |
| 8156          | 823827714941 | WIRE EARPHONE 8P+5P+2P+2P       |
| 8157          | 823827714971 | WIRE RS232 5P                   |
| 8158          | 823827715041 | WIRE AC SWITCH 2P               |
| 7001          | 932215923668 | IC SM LM2596SX-5.0 (NSCO) R     |
| 7002          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7003          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7004          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7005          | 932211529668 | FET POW SM SI9433DY (VISH) R    |
| 7006          | 932220212685 | IC SM LM217D2 (ST00) R          |
| 7008          | 932220212685 | IC SM LM217D2 (ST00) R          |
| 7009          | 932217562687 | IC SM LD1085D2T33 (ST00) L      |
| 7010          | 932217173668 | IC SM LM2594M-ADJ (NSCO) R      |
| 7011          | 932220212685 | IC SM LM217D2 (ST00) R          |
| 7013          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7071          | 933967380685 | TRA SIG SM BC858C (ONSE) R      |
| 7081          | 823827714861 | IC SMDS14C232                   |
| 7082          | 932208234676 | IC L78L05ACZ (ST00) A           |
| 7202          | 932214526668 | IC SM M24C02-WMN6 (ST00) R      |
| 7203          | 935260739118 | IC SM 74LVC14APW (PHSE) R       |
| 7206          | 932217743685 | IC SM LM810M3-4.0 (NSCO) R      |
| 7252          | 932220196672 | IC SM MST9883-110 (MSTA) Y      |
| 7301          | 932216733668 | IC SM LD1117S33 (ST00) R        |
| 7302          | 935267395518 | IC SM SAA7118E/V1 (PHSE) R      |
| 7351          | 932219049671 | IC SM FLI2300-AB (GEMI) Y       |
| 7352          | 823827712951 | IC SM HY57V643220CT-6           |
| 7402          | 932220135671 | IC SM JAGASM-AE (GEMI) Y        |
| 7403          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7471          | 932219576671 | IC SM M12L64322A-7T (ESMT) Y    |
| 7491          | 932217686668 | IC SM THC63LVDM83A (THIN) R     |
| 7501          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7603          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7681          | 932213067676 | IC L78L08ACZ (ST00) A           |
| 7701          | 823827712931 | IC SAA5562 PS/M3                |
| 7702          | 935210550118 | IC SM 74LVC163DB (PHSE) R       |
| 7703          | 93525000118  | IC SM 74LVC02.2DB (PHSE) R      |
| 7721          | 932219334685 | IC SM LM810M3-2.93 (NSCO) R     |
| 7722          | 932214725682 | IC M24C16-WBN6 (ST00) L         |
| 7751          | 935218650118 | IC SM 74LVC373APW (PHSE) R      |
| 7752          | 932214725682 | IC M24C16-WBN6 (ST00) L         |
| 7753          | 932220056682 | IC SM MX10E8050XQC (MACR) L     |
| 7754          | 932219106682 | IC SM AT49LV002NT-90JC (ATME)L  |
| 7755          | 932216554668 | IC SM 74LCX139T (ST00) R        |
| 7801          | 932214526668 | IC SM M24C02-WMN6 (ST00) R      |
| 7802          | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R    |
| 7821          | 932219513668 | IC SM M74HC590M (ST00) R        |
| 7822          | 932215366668 | IC SM CY7C199-152C (CYPR) R     |
| 7823          | 935187000118 | IC SM 74HC573PW (PHSE) R        |
| 7824          | 935187000118 | IC SM 74HC573PW (PHSE) R        |
| 7825          | 932219513668 | IC SM M74HC590M (ST00) R        |
| 7826          | 932210315685 | TRA SIG SM MMBT2369AL (ONSE) R  |
| 7901          | 932220048702 | IC SM MSP3410G-QI-B8V3 (MIAS)Y  |
| 7947          | 935261847112 | IC TDA1517/N3 (PHSE) L          |
| 7948          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7952          | 932217438685 | TRA SIG SM BC847C (KECO) R      |
| 7953          | 935172510112 | IC TDA1308/N1 (PHSE) L          |
| 7842          | 932220098671 | IC SM SI1151BCT100 (SIIM) Y     |



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| Diversity of 300WN5BB/00 comparing with 300WN5QS/97 |              |                                |
|---|--------------|--------------------------------|
| Item  | 12NC         | Description                    |
| 506   | 313815636691 | CARTON                         |
| 1052  | 313815859141 | MAIN PCB ASSY(BASIC)           |
| 30  | 313815756191 | FRONT CABINET ASSY             |
| 40  | 313815756301 | BACK COVER ASSY                |
| 450   | 313815636691 | CARTON                         |
| 1072  | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072  | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31  | 313815135441 | FRONT CABINET - AI             |
| 32  | 313815412291 | FRONT CORNER-LENS              |
| 33  | 313815412281 | FRONT CORNER-RT                |
| 41  | 313815135461 | BACK COVER                     |
| 291   | 313815562291 | LABEL-PC                       |
| 292   | 313815562291 | LABEL-PC                       |
| 295   | 313815562301 | LABEL-TV                       |
| 296   | 313815562301 | LABEL-TV                       |
| 615   | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616   | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

| Diversity of 300WN5BS/00 comparing with 300WN5QS/97 |              |                                |
|---|--------------|--------------------------------|
| Item  | 12NC         | Description                    |
| 506   | 313815636691 | CARTON                         |
| 1052  | 313815859141 | MAIN PCB ASSY(BASIC)           |
| 40  | 313815756301 | BACK COVER ASSY                |
| 450   | 313815636691 | CARTON                         |
| 1072  | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072  | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 41  | 313815135461 | BACK COVER                     |
| 291   | 313815562291 | LABEL-PC                       |
| 292   | 313815562291 | LABEL-PC                       |
| 295   | 313815562301 | LABEL-TV                       |
| 296   | 313815562301 | LABEL-TV                       |
| 615   | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616   | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688  | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688  | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

| Diversity of 300WN5VB/00 comparing with 300WN5QS/97 |              |                                |
|---|--------------|--------------------------------|
| Item  | 12NC         | Description                    |
| 506   | 313815637341 | CARTON                         |
| 1052  | 313815859101 | MAIN PCB ASSY(VIDEO)           |
| 1081  | 313815859121 | TV BOX PCB ASSY (VIDEO)        |
| 30  | 313815756191 | FRONT CABINET ASSY             |
| 40  | 313815756211 | BACK COVER ASSY                |
| 450   | 313815637341 | CARTON                         |
| 1147  | 313814950881 | VIDEO IN/OUT (VIDEO-30)        |
| 1072  | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072  | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31  | 313815135441 | FRONT CABINET - AI             |
| 32  | 313815412291 | FRONT CORNER-LENS              |
| 33  | 313815412281 | FRONT CORNER-RT                |
| 41  | 313815135451 | BACK COVER                     |
| 291   | 313815562671 | LABEL-PC                       |
| 292   | 313815562671 | LABEL-PC                       |
| 295   | 313815562681 | LABEL-TV                       |
| 296   | 313815562681 | LABEL-TV                       |
| 615   | 313811706491 | HEX CODE OFF/W (NO MATL REQ)   |
| 616   | 313811706501 | HEX CODE OFF/W (NO MATL REQ)   |

|      |              |                               |
|------|--------------|-------------------------------|
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R  |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R  |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2608 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R |
| 2611 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3653 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3654 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R  |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R  |

| Diversity of 300WN5VS/00 comparing with 300WN5QS/97 |              |                                |
|---|--------------|--------------------------------|
| Item  | 12NC         | Description                    |
| 506   | 313815637341 | CARTON                         |
| 1052  | 313815859101 | MAIN PCB ASSY(VIDEO)           |
| 1081  | 313815859121 | TV BOX PCB ASSY (VIDEO)        |
| 40  | 313815756211 | BACK COVER ASSY                |
| 450   | 313815637341 | CARTON                         |
| 1147  | 313814950881 | VIDEO IN/OUT (VIDEO-30)        |
| 1072  | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072  | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 41  | 313815135451 | BACK COVER                     |
| 291   | 313815562671 | LABEL-PC                       |
| 292   | 313815562671 | LABEL-PC                       |
| 295   | 313815562681 | LABEL-TV                       |
| 296   | 313815562681 | LABEL-TV                       |
| 615   | 313811706491 | HEX CODE OFF/W (NO MATL REQ)   |
| 616   | 313811706501 | HEX CODE OFF/W (NO MATL REQ)   |



|      |              |                               |
|------|--------------|-------------------------------|
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R  |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R  |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2608 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R |
| 2611 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R  |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R  |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R    |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R  |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R    |
| 3653 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3654 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R  |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R  |

Diversity of 300WN5QS/00 comparing with 300WN5QS/97

| Item | 12NC         | Description                   |
|------|--------------|-------------------------------|
| 1052 | 313815855231 | MAIN PCB ASSY(WE-30)          |
| 1081 | 313815855251 | TV BOX ASSY (WE-30)           |
| 40   | 313815756201 | BACK COVER ASSY               |
| 41   | 313815134741 | BACK COVER                    |
| 291  | 313815562341 | LABEL-PC                      |
| 292  | 313815562341 | LABEL-PC                      |
| 295  | 313815562351 | LABEL-TV                      |
| 296  | 313815562351 | LABEL-TV                      |
| 615  | 313811706471 | HEX CODE OF F/W (NO MATL REQ) |
| 616  | 313811706481 | HEX CODE OFF/W (NO MATL REQ)  |
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R  |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R  |
| 1501 | 313914718291 | TUN IF V+U PLL IEC BGLIDK B   |
| 1531 | 313818876611 | SOC EURO H 21P F SHE L-GRND Y |
| 2531 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |

|      |              |                               |
|------|--------------|-------------------------------|
| 2532 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2533 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2534 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2535 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2536 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2541 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2542 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2543 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2544 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2545 | 223886715331 | CER1 0603 NP0 50V 330P PM5 R  |
| 2546 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2547 | 223886715229 | CER1 0603 NP0 50V 22P PM5 R   |
| 2551 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R |
| 2551 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R |
| 3531 | 212211805645 | RST SM 0603 RC0603 150R PM5 R |
| 3531 | 232270260151 | RST SM 0603 RC21 150R PM5 R   |
| 3532 | 212211805685 | RST SM 0603 RC0603 220K PM5 R |
| 3532 | 232270260224 | RST SM 0603 RC21 220K PM5 R   |
| 3533 | 212211805645 | RST SM 0603 RC0603 150R PM5 R |
| 3533 | 232270260151 | RST SM 0603 RC21 150R PM5 R   |
| 3534 | 212211805685 | RST SM 0603 RC0603 220K PM5 R |
| 3534 | 232270260224 | RST SM 0603 RC21 220K PM5 R   |
| 3535 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3536 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 3537 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3538 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 3541 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3542 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 3543 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R  |
| 3543 | 232270260472 | RST SM 0603 RC21 4K7 PM5 R    |
| 3544 | 212211805635 | RST SM 0603 RC0603 10R PM5 R  |
| 3544 | 232270260109 | RST SM 0603 RC21 10R PM5 R    |
| 3545 | 212211805643 | RST SM 0603 RC0603 100R PM5 R |
| 3545 | 232270260101 | RST SM 0603 RC21 100R PM5 R   |
| 3546 | 212211805639 | RST SM 0603 RC0603 47R PM5 R  |
| 3546 | 232270260479 | RST SM 0603 RC21 47R PM5 R    |
| 3547 | 212211805665 | RST SM 0603 RC0603 4K7 PM5 R  |
| 3547 | 232270260472 | RST SM 0603 RC21 4K7 PM5 R    |
| 3548 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3548 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3551 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3551 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3552 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3552 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3553 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3553 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3554 | 212211805675 | RST SM 0603 RC0603 27K PM5 R  |
| 3554 | 232270260273 | RST SM 0603 RC21 27K PM5 R    |
| 3555 | 212211805675 | RST SM 0603 RC0603 27K PM5 R  |
| 3555 | 232270260273 | RST SM 0603 RC21 27K PM5 R    |
| 3556 | 212211805667 | RST SM 0603 RC0603 6K8 PM5 R  |
| 3556 | 232270260682 | RST SM 0603 RC21 6K8 PM5 R    |
| 3557 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3557 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3558 | 232270461002 | RST SM 0603 RC22H 1K PM1 R    |
| 3558 | 212211805965 | RST SM 0603 RC0603 1K PM1 R   |
| 3559 | 232270260189 | RST SM 0603 RC21 18R PM5 R    |
| 3561 | 232270260569 | RST SM 0603 RC21 56R PM5 R    |
| 5531 | 242253595853 | IND FXD SM 0603 0U10 PM10 R   |
| 5532 | 242253595853 | IND FXD SM 0603 0U10 PM10 R   |
| 5533 | 242253595853 | IND FXD SM 0603 0U10 PM10 R   |
| 5534 | 242253595853 | IND FXD SM 0603 0U10 PM10 R   |
| 5535 | 242253595853 | IND FXD SM 0603 0U10 PM10 R   |
| 6531 | 932209863685 | DIO SIG SM BAV99 (VISH) R     |
| 6531 | 932205042685 | DIO SIG SM BAV99L (ONSE) R    |
| 6531 | 933215370215 | DIO SIG SM BAV99 (PHSE) R     |
| 6532 | 932209863685 | DIO SIG SM BAV99 (VISH) R     |

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|      |              |                                |
|------|--------------|--------------------------------|
| 6532 | 932205042685 | DIO SIG SM BAV99L (ONSE) R     |
| 6532 | 933215370215 | DIO SIG SM BAV99 (PHSE) R      |
| 6533 | 932209863685 | DIO SIG SM BAV99 (VISH) R      |
| 6533 | 932205042685 | DIO SIG SM BAV99L (PHSE) R     |
| 6533 | 933215370215 | DIO SIG SM BAV99 (PHSE) R      |
| 6534 | 932209863685 | DIO SIG SM BAV99 (VISH) R      |
| 6534 | 932205042685 | DIO SIG SM BAV99L (ONSE) R     |
| 6534 | 933215370215 | DIO SIG SM BAV99 (PHSE) R      |
| 6536 | 933913910115 | DIO SIG SM BAS32L (PHSE) R     |
| 6536 | 932205976685 | DIO SIG SM LS4148 (VISH) R     |
| 6536 | 933952510685 | DIO SIG SM LL4148 (VISH) R     |
| 6537 | 933137380215 | DIO REG SM BZX84-C4V7 (PHSE) R |
| 6537 | 932214637685 | DIO REG SM BZX84-C4V7 (VISH) R |
| 7531 | 932217438685 | TRA SIG SM BC847C (KEC0) R     |
| 7531 | 933589600215 | TRA SIG SM BC847C (PHSE) R     |
| 7531 | 933967270685 | TRA SIG SM BC847C (ONSE) R     |
| 7531 | 933967310685 | TRA SIG SM BC848C (ONSE) R     |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2608 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R   |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R   |

Diversity of 300WN5DB/00 comparing with 300WN5QS/97

| Item | 12NC         | Description          |
|------|--------------|----------------------|
| 506  | 313815636691 | CARTON               |
| 1052 | 313815859141 | MAIN PCB ASSY(BASIC) |

|      |              |                                |
|------|--------------|--------------------------------|
| 30   | 313815756321 | FRONT CABINET ASSY             |
| 40   | 313815756311 | BACK COVER ASSY                |
| 601  | 313811706761 | E-D.F.U. ASSY                  |
| 90   | 313815134771 | METAL FRAME-PC                 |
| 450  | 313815636691 | CARTON                         |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 37   | 313815410851 | PROTECTIVE COVER               |
| 41   | 313815135471 | BACK COVER                     |
| 291  | 313815562291 | LABEL-PC                       |
| 292  | 313815562291 | LABEL-PC                       |
| 295  | 313815562301 | LABEL-TV                       |
| 296  | 313815562301 | LABEL-TV                       |
| 615  | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

Diversity of 300WN5QS/93 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 1052 | 313815859071 | MAIN PCB ASSY(CHINA) 30        |
| 1081 | 313815859091 | TV BOX PCB ASSY (CHINA) 30     |
| 1060 | 313818871651 | MAINSKORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922889481 | PRODUCT ASSY RC25107/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 291  | 313815563461 | LABEL-PC                       |
| 292  | 313815563461 | LABEL-PC                       |
| 295  | 313815563471 | LABEL-TV                       |
| 296  | 313815563471 | LABEL-TV                       |
| 615  | 313811707051 | HEX CODE OF F/W                |
| 616  | 313811707061 | HEX CODE OF F/W                |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 1501 | 313914720131 | FRONTEND FQ1256/I H-3          |

Diversity of 300WN5DB/27 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815636691 | CARTON                         |
| 1052 | 313815859141 | MAIN PCB ASSY(BASIC)           |
| 30   | 313815756321 | FRONT CABINET ASSY             |
| 40   | 313815756311 | BACK COVER ASSY                |
| 601  | 313811706761 | E-D.F.U. ASSY                  |
| 90   | 313815134771 | METAL FRAME-PC                 |
| 450  | 313815636691 | CARTON                         |
| 1060 | 313812874901 | MAINSKORD                      |
| 1060 | 313818870491 | MAINSKORD UL 10A 1M8 DET BK    |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 37   | 313815410851 | PROTECTIVE COVER               |
| 41   | 313815135471 | BACK COVER                     |
| 291  | 313815562291 | LABEL-PC                       |
| 292  | 313815562291 | LABEL-PC                       |
| 295  | 313815562301 | LABEL-TV                       |
| 296  | 313815562301 | LABEL-TV                       |
| 615  | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |

|      |              |                              |
|------|--------------|------------------------------|
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R |
| 3687 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R |
| 3687 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R |
| 3688 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R |
| 3688 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R |

## Diversity of 300WN5VB/27 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815637341 | CARTON                         |
| 1052 | 313815859101 | MAIN PCB ASSY(VIDEO)           |
| 1081 | 313815859121 | TV BOX PCB ASSY (VIDEO)        |
| 30   | 313815756191 | FRONT CABINET ASSY             |
| 40   | 313815756211 | BACK COVER ASSY                |
| 450  | 313815637341 | CARTON                         |
| 1147 | 313814950881 | VIDEO IN/OUT (VIDEO-30)        |
| 1060 | 313812874901 | MAINSKORD                      |
| 1060 | 313818870491 | MAINSKORD UL 10A 1M8 DET BK    |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 41   | 313815135451 | BACK COVER                     |
| 291  | 313815562671 | LABEL-PC                       |
| 292  | 313815562671 | LABEL-PC                       |
| 295  | 313815562681 | LABEL-TV                       |
| 296  | 313815562681 | LABEL-TV                       |
| 615  | 313811706491 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706501 | HEX CODE OFF/W (NO MATL REQ)   |
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2608 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 222224119876 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R     |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |

|      |              |                              |
|------|--------------|------------------------------|
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3653 | 232270260189 | RST SM 0603 RC21 18R PM5 R   |
| 3654 | 232270260569 | RST SM 0603 RC21 56R PM5 R   |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |

## Diversity of 300WN5BB/93 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815636691 | CARTON                         |
| 1052 | 313815859141 | MAIN PCB ASSY(BASIC)           |
| 30   | 313815756191 | FRONT CABINET ASSY             |
| 40   | 313815756301 | BACK COVER ASSY                |
| 450  | 313815636691 | CARTON                         |
| 1060 | 313818871651 | MAINSKORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 41   | 313815135461 | BACK COVER                     |
| 291  | 313815562291 | LABEL-PC                       |
| 292  | 313815562291 | LABEL-PC                       |
| 295  | 313815562301 | LABEL-TV                       |
| 296  | 313815562301 | LABEL-TV                       |
| 615  | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

## Diversity of 300WN5BS/93 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815636691 | CARTON                         |
| 1052 | 313815859141 | MAIN PCB ASSY(BASIC)           |
| 40   | 313815756301 | BACK COVER ASSY                |
| 450  | 313815636691 | CARTON                         |
| 1060 | 313818871651 | MAINSKORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 41   | 313815135461 | BACK COVER                     |
| 291  | 313815562291 | LABEL-PC                       |
| 292  | 313815562291 | LABEL-PC                       |
| 295  | 313815562301 | LABEL-TV                       |
| 296  | 313815562301 | LABEL-TV                       |
| 615  | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

## Diversity of 300WN5DB/93 comparing with 300WN5QS/97

| Item | 12NC         | Description          |
|------|--------------|----------------------|
| 506  | 313815636691 | CARTON               |
| 1052 | 313815859141 | MAIN PCB ASSY(BASIC) |
| 30   | 313815756321 | FRONT CABINET ASSY   |
| 40   | 313815756311 | BACK COVER ASSY      |



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|      |              |                                |
|------|--------------|--------------------------------|
| 601  | 313811706761 | E-D.F.U. ASSY                  |
| 90   | 313815134771 | METAL FRAME-PC                 |
| 450  | 313815636691 | CARTON                         |
| 1060 | 313818871651 | MAINSCORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 37   | 313815410851 | PROTECTIVE COVER               |
| 41   | 313815135471 | BACK COVER                     |
| 291  | 313815562291 | LABEL-PC                       |
| 292  | 313815562291 | LABEL-PC                       |
| 295  | 313815562301 | LABEL-TV                       |
| 296  | 313815562301 | LABEL-TV                       |
| 615  | 313811706511 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706521 | HEX CODE OFF/W (NO MATL REQ)   |
| 3746 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3746 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3687 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3688 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |

## Diversity of 300WN5VB/93 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815637341 | CARTON                         |
| 1052 | 313815859101 | MAIN PCB ASSY(VIDEO)           |
| 1081 | 313815859121 | TV BOX PCB ASSY (VIDEO)        |
| 30   | 313815756191 | FRONT CABINET ASSY             |
| 40   | 313815756211 | BACK COVER ASSY                |
| 450  | 313815637341 | CARTON                         |
| 1147 | 313814950881 | VIDEO IN/OUT (VIDEO-30)        |
| 1060 | 313818871651 | MAINSCORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 41   | 313815135451 | BACK COVER                     |
| 291  | 313815562671 | LABEL-PC                       |
| 292  | 313815562671 | LABEL-PC                       |
| 295  | 313815562681 | LABEL-TV                       |
| 296  | 313815562681 | LABEL-TV                       |
| 615  | 313811706491 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706501 | HEX CODE OFF/W (NO MATL REQ)   |
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2608 | 22224119876  | CER2 1206 Y5V 10V 10U P8020 R  |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 22224119876  | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R   |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R     |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R   |

|      |              |                              |
|------|--------------|------------------------------|
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3653 | 232270260189 | RST SM 0603 RC21 18R PM5 R   |
| 3654 | 232270260569 | RST SM 0603 RC21 56R PM5 R   |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |

## Diversity of 300WN5VS/93 comparing with 300WN5QS/97

| Item | 12NC         | Description                    |
|------|--------------|--------------------------------|
| 506  | 313815637341 | CARTON                         |
| 1052 | 313815859101 | MAIN PCB ASSY(VIDEO)           |
| 1081 | 313815859121 | TV BOX PCB ASSY (VIDEO)        |
| 30   | 313815756191 | FRONT CABINET ASSY             |
| 40   | 313815756211 | BACK COVER ASSY                |
| 450  | 313815637341 | CARTON                         |
| 1147 | 313814950881 | VIDEO IN/OUT (VIDEO-30)        |
| 1060 | 313818871651 | MAINSCORD CCEE 10A 1M8 DET BK  |
| 1072 | 313922889471 | PRODUCT ASSY RC25106/00 PACKED |
| 1072 | 313922860531 | PRODUCT ASSY RC25112/01 PACKED |
| 31   | 313815135441 | FRONT CABINET - AI             |
| 32   | 313815412291 | FRONT CORNER-LENS              |
| 33   | 313815412281 | FRONT CORNER-RT                |
| 41   | 313815135451 | BACK COVER                     |
| 291  | 313815562671 | LABEL-PC                       |
| 292  | 313815562671 | LABEL-PC                       |
| 295  | 313815562681 | LABEL-TV                       |
| 296  | 313815562681 | LABEL-TV                       |
| 615  | 313811706491 | HEX CODE OFF/W (NO MATL REQ)   |
| 616  | 313811706501 | HEX CODE OFF/W (NO MATL REQ)   |
| 3303 | 212211805631 | RST SM 0603 JUMP. MAX 0R05 R   |
| 3303 | 232270296001 | RST SM 0603 JUMP. MAX 0R05 R   |
| 2601 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2602 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2603 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2604 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2605 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2606 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2607 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2608 | 22224119876  | CER2 1206 Y5V 10V 10U P8020 R  |
| 2608 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 22224119876  | CER2 1206 Y5V 10V 10U P8020 R  |
| 2611 | 202055296507 | CER2 1206 Y5V 10V 10U P8020 R  |
| 2612 | 223878615649 | CER2 0603 X7R 16V 100N PM10 R  |
| 2613 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |
| 2614 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R   |

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|      |              |                              |
|------|--------------|------------------------------|
| 2615 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R |
| 2616 | 223824619863 | CER2 0603 Y5V 10V 1U P8020 R |
| 3601 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3601 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3602 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3602 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3603 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3603 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3604 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3604 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3605 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3605 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3606 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3606 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3607 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3607 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3609 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3609 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3611 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3611 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3612 | 212211805669 | RST SM 0603 RC0603 10K PM5 R |
| 3612 | 232270260103 | RST SM 0603 RC21 10K PM5 R   |
| 3613 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3613 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3614 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3614 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3615 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3615 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3616 | 212211805678 | RST SM 0603 RC0603 47K PM5 R |
| 3616 | 232270260473 | RST SM 0603 RC21 47K PM5 R   |
| 3653 | 232270260189 | RST SM 0603 RC21 18R PM5 R   |
| 3654 | 232270260569 | RST SM 0603 RC21 56R PM5 R   |
| 7601 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |
| 7602 | 932220012668 | IC SM TC74LVX4053FT (TOSJ) R |